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# Air University Library Index

## to Military Periodicals

CUMULATIVE ISSUE  
JANUARY-DECEMBER 1972  
Volume 23 Number 4



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# **Air University Library Index to Military Periodicals**

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**Volume 23**

**Number 4**

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Cumulative Issue  
January-December 1972

Frances B. Rucks, Editor

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**Air University Library**

**Maxwell Air Force Base, Ala.**

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This is a cumulative issue. It includes all indexing since the beginning of the current volume. No further reference to Issues Nos. 1-3 is necessary.



## Preface

The *Air University Library Index to Military Periodicals* is a subject index to significant articles, news items and editorials appearing in 65 English language military and aeronautical periodicals not indexed in readily available commercial indexing services. The *Index* originated with 23 titles as a quarterly publication in 1949, and has continued on a quarterly basis superseded by annual cumulations; triennial cumulative issues were published from 1952 through 1967. From 1949 to 1962 the *Index* was issued as *Air University Periodical Index*. Staff members in the Reader Services Division and Editing Section of Air University Library index the periodicals with the exception of seven titles which other Air Force, Army, and Navy libraries index. *Air University Library Index to Military Periodicals* serves primarily the educational and research programs of Air University. The *Index* is available to other libraries upon request.

This publication has been reviewed and approved by competent personnel of the preparing command in accordance with current directives on doctrine, policy, essentiality, propriety, and quality.

ROBERT SEVERANCE  
Director  
Air University Library

# PERIODICALS INDEXED

- Aerosp Hist--Aerospace Historian (q) \$ 5.00. Department of History, Kansas State University, Manhattan, Kan, 66502.
- Aerosp Intl--Aerospace International (bim) \$12.60 (est). Gross-Talmon Verlag, Cosimastr. 4, D-8000 Munich-81, Germany.
- Aerosp Med--Aerospace Medicine (m) \$18.00. Aerospace Medical Assoc, Washington National Airport, Washington, DC, 20001.
- Aerosp Safety--Aerospace Safety - AFRP 127-2 (11 nos. a year) \$4.00. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.
- AF Civil Engr--Air Force Civil Engineer - AFRP CE 85-1 (q) \$1.00. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.
- AF Compt--The Air Force Comptroller - AFRP 170-2 (q) \$1.00. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.
- AF JAG L Rev--United States Air Force JAG Law Review - AFRP 110-1 (q) \$2.50. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.
- AF Mag--Air Force Magazine (m) \$10.00. Air Force Assoc, Suite 400, 1750 Pennsylvania Ave, NW, Washington, DC, 20006.
- AF Pley Ltr for Comdrs: Sup--Air Force Policy Letter for Commanders: Supplement - AFRP 190-2 (m) No price given. Internal Information Division, SAFOII, Pentagon, Washington, DC, 20330.
- AF Times--Air Force Times (Eastern Edition) (w) \$15.00. Army Times Publishing Co, 475 School St, SW, Washington, DC, 20024.
- Air Pict--Air Pictorial (m) \$9.00. Seymour International Subscriptions, 1/3 Brixton Rd, London, SW 9, England.
- Air Reservist - AFRP 30-1 (10 nos. a year) \$150. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.
- AU Rev--Air University Review, The Professional Journal of the United States Air Force (bim) \$4.50. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.
- Airman--Airman, Official Magazine of the U.S. Air Force - AFRP 30-15 (m) \$7.00. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.
- Am Avn Hist Soc J--American Aviation Historical Society Journal (q) \$10.00. American Aviation Historical Society, P.O. Box 996, Ojai, Calif, 93023.
- Approach, The Naval Aviation Safety Review - NavAir 00-75-510 (m) \$6.00. NAVSAFECEN, NAS, Norfolk, Va, 23511.
- Armed Forces Compt--Armed Forces Comptroller (q) \$5.00. The American Society of Military Comptrollers, P.O. Box 68, Arlington, Va, 22210.
- Armed Forces J--Armed Forces Journal (m) \$12.00. Army and Navy Journal Inc, 1710 Connecticut Ave. NW, Washington, DC, 20009.
- Armor (bim) \$6.50. Armor, Suite 418, 1145 19th St, NW, Washington, DC, 20036.
- Army (m) \$7.50. Assoc of the U.S. Army, 1529 - 18th St, NW, Washington, DC, 20036.
- Army Log--Army Logistician (bim) \$3.00. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.
- Army Qtr--Army Quarterly and Defence Journal (q) \$7.85 (est). William Clowes & Sons, Ltd, 15 Cavenish Square, London, WIM OHT, England.
- Combat Crew - SACRP 127-1 (m) No price given. Editor, Combat Crew, Hq SAC (DOSE), Offutt AFB, Nebr, 68113.
- Contact - AFITRP 35-1 (bim) No price given. AFIT(Cl), Wright-Patterson AFB, Ohio, 45433.
- \*\*Def Ind Bul--Defense Industry Bulletin (combined with Defense Management Journal in April 1972)
- Def Mgt J--Defense Management Journal (q) \$1.50. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.
- Def Trans J--Defense Transportation Journal, Official Publication of the National Defense Transportation Association (bim) \$15.00. National Defense Transportation Assoc, 1612 K St, NW, Washington, DC, 20006.
- Elect Warfare--Electronic Warfare (q) \$5.00. Electronic Warfare Magazine, 6903 Clemson Dr, Alexandria, Va, 22307.
- Fld Artilleryman--Field Artilleryman (irregular) No price given. Book Dept, U.S. Army Field Artillery School, Fort Sill, Okla, 73503.
- Forum (3 nos. a year) No price given. National War College, Fort Lesley J. McNair, Washington, DC, 20315.
- Govt Exec--Government Executive (m) \$12.00. 1725 K St, NW, Washington, DC, 20006.
- Hawk--Hawk, The Independent Journal of the Royal Air Force Staff College (a) \$1.25 (est). Royal Air Force Staff College, Bracknell, Berkshire, England.
- Infantry (bim) \$5.95. Editor, Infantry Magazine, Box 2005, Fort Benning, Ga, 31905.
- Interavia (m) \$17.00. Interavia U.S.A., Suite 1800, 212 Fifth Avenue, New York, NY, 10010.
- Interceptor - ADCRP 127-2 (m) No price given. Editor, Interceptor, Hq ADC (SED), Ent AFB, Colo, 80912.
- Intl Def Rev--International Defense Review (bim) \$10.00. Interavia U.S.A., Suite 1800, 212 Fifth Avenue, New York, NY, 10010.

\*Added titles since the 1971 Cumulative Issue

\*\*Titles ceased indexing since the 1971 Cumulative Issue

\*\*\*Titles changed since the 1971 Cumulative Issue

# PERIODICALS INDEXED (Cont'd)

- Log Spectrum--Logistics Spectrum (q) \$10.00. Society of Logistics Engineers, Executive Offices, 1411 West Olympic Blvd, Los Angeles, Calif, 90015.
- MAC Flyer - MACRP 127-5 (m) \$2.00. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.
- MarCor Gaz--Marine Corps Gazette (m) \$6.00. P.O. Box 1775, MCB, Quantico, Va, 22134.
- Mil Engr--Military Engineer (bim) \$12.50. Society of American Military Engineers, 800 - 17th St, NW, Washington, DC, 20006.
- Mil Rev--Military Review (m) \$5.00. Military Review, USACGSC, Fort Leavenworth, Kan, 66027.
- NATO's Fifteen Nations (bim) \$13.00. Jules Perel's Publishing Co, Post Box 366, Amstelveen, The Netherlands.
- Natl Guardsman--National Guardsman (11 nos. a year) \$2.00. National Guard Assoc of the U.S., 1 Massachusetts Ave, NW, Washington, DC, 20001.
- Nav War Col Rev--Naval War College Review (bim) No price given. Editor, Naval War College Review, U.S. Naval War College, Newport, RI, 02840.
- Navigator - AFRP 50-3 (3 nos. a year) \$1.00. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.
- Officer (m) \$3.00. Reserve Officers Assoc of the U.S., 1 Constitution Ave, NE, Washington, DC, 20002.
- Ordnance (bim) \$8.00. American Ordnance Assoc, Union Trust Bldg, Washington, DC, 20005.
- Parameters--The Journal of the Army War College (3 nos. a year) No price given. Editor, Parameters, U.S. Army War College, Carlisle Barracks, Pa, 17013.
- Persp in Def Mgt--Perspectives in Defense Management (irregular) No price given. Editor, Perspectives in Defense Management, Industrial College of the Armed Forces, Fort Lesley J. McNair, Washington, DC, 20315.
- \*\*\*RUSI J for Def Studies--RUSI, Journal of the Royal United Services Institute for Defence Studies (q) \$12.25 (est). Secretary, Royal United Services Institute for Defence Studies, Whitehall, London, SW1A 2, ET, England.
- Review (bim) \$7.50. American Logistics Assoc, 1026 - 17th St, NW, Washington, DC, 20036.
- Royal Air Forces Qtr--Royal Air Forces Quarterly (q) \$4.30 (est). R.A.F.A. Publishing Co, Ltd, 43 Grove Park Road, London, W4 3RU, England.
- Royal United Svcs Inst for Def Studies J--Royal United Services Institute for Defence Studies Journal (changed to RUSI, Journal of the Royal United Services Institute for Defence Studies with March 1972 issue)
- Sea Power (11 nos. a year) \$3.00. Navy League of the U.S., 818-18th St, NW, Washington, DC, 20006.
- Signal (10 nos. a year) \$9.00. Armed Forces Communications and Electronics Assoc, 5205 Leesburg Pike, Falls Church, Va, 22041.
- Soldiers, Official U.S. Army Magazine (m) \$9.50. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.
- Soviet Mil Rev--Soviet Military Review (m) No price given. Soviet Military Review, 2, Marshal Biryuzov St, Moscow 123298, USSR. (Available from Victor Kamkin Agency, 1410 Columbia Rd, Washington, DC, 20009)
- Space World (m) \$8.00. Palmer Publications Inc, Amherst, Wisc, 54406.
- Spaceflight (m) No price given. British Interplanetary Society, 12, Bessborough Gardens, London, SW1V2JJ, England.
- \*TAC Attack - TACRP 127-1 (m) No price given. Editor, TAC Attack, Hq TAC(SEPP), Langley AFB, Va, 23365.
- \*\*TAC Alft--Tactical Airlift - TALCRP 80 (ceased publication with vol 1, no. 2, July 1971 issue)
- TIG Brief--The Inspector General Brief - AFRP 11-1 (biw) No price given. Editor, TIG Brief, AF/IGEP, Hq USAF, Washington, DC, 20330. Limited to AF offices.
- Translog (m) \$3.50. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.
- USAF Ftr Wpns Rev--USAF Fighter Weapons Review (q) No price given. 57th Fighter Weapons Wing (DON), Nellis AFB, Nev, 89110.
- \*\*USAF Instrs J--USAF Instructors Journal - AFRP 50-6 (ceased publication with vol 9, no. 4, Spring 1972 issue)
- USAF TAWC Qtr Rpt--USAF TAWC Quarterly Report (formerly Tactical Air Warfare Center Quarterly Report; changed to USAF TAWC Review with April 1972 issue)
- \*\*\*USAF TAWC Rev--USAF TAWC Review (formerly USAF TAWC Quarterly Report) - USAFTAWC RP 55-1 (q) No price given. USAF Tactical Air Warfare Center/DOP, Eglin AFB, Fla, 32542.
- USA Avn Dig--United States Army Aviation Digest (m) \$4.50. Superintendent of Documents, U.S. Government Printing Office, Washington, DC, 20402.
- US Nav Inst Proc--United States Naval Institute Proceedings (m) \$10.00. U.S. Naval Institute, Annapolis, Md, 21402.

The following abbreviations are used to denote frequency of issue:

a	annual	bim	every two months
biw	every two weeks and/or twice a month		
m	monthly	q	quarterly
		w	weekly



## ARRANGEMENT

The subject entries are constructed on the direct entry principle. Most sponsor agency entries under U. S. have been eliminated and entry is directly under subject agency, e. g., STRATEGIC AIR COMMAND, not U. S. AIR FORCE. STRATEGIC AIR COMMAND. Specific military services of various countries are entered under their name, followed by the name of their country, e. g., AIR FORCE--Great Britain; ARMY--United States.

Material on aircraft by name has been entered under the headings AIRPLANE TYPE; HELICOPTER TYPE; MISSILE TYPE. Space vehicles by name have been entered under the heading SPACE PROJECT.

AERONAUTICS here embraces the technical and technological aspects of aviation and aircraft; AVIATION the art of flying, both military and civilian; and AIRLINES the commercial transportation companies; FLYING popular, nontechnical articles on the pleasures of flying.

Government departments are listed alphabetically by department title, e. g., DEFENSE DEPT--United States, not DEPARTMENT OF DEFENSE.

Author entries are included for admirals, generals, Dept of Defense officials, and others who are prominent in some field of Index interest.

Organization's abbreviation, if it is a national term, is used not only as a cross reference (e. g., NATO see NORTH ATLANTIC TREATY ORGANIZATION) but also as geographic subdivision (e. g., DEFENSES--NATO). Abbreviations are listed at the beginning of their alphabetical section. However, the artificial words LASERS and LORAN are accepted as normal words and are so alphabetically listed.

Reviews of books are grouped under BOOK REVIEWS.

## KEY TO ABBREVIATIONS

+ (after paging)	continuation of article not paged consecutively	Jun	June
Apr	April	Mar	March
Aug	August	Nov	November
bibliog	bibliography	No.	number
biog	biography	obit	obituary
chart	organizational chart	Oct	October
Dec	December	por	portrait(s)
Feb	February	Sep	September
illus	illustration(s)	sup	supplement
Jan	January	tab	table(s)
Jul	July	trans	translated
		vol	volume

## EXPLANATION

Sample entry:

### ARMS SALES

A realistic look at USAF military assistance and foreign military sales. BrigGen Donald F. Blake. illus AU Rev 22:35-44 Nov-Dec '70

Explanation:

Under the subject ARMS SALES an article entitled "A realistic look at USAF military assistance and foreign military sales" by BrigGen Donald F. Blake, with illustrations, appears in the magazine Air University Review, volume 22, on pages 35 through 44, the November-December 1970 issue.

# A

ACEUR see Allied Command Europe

ACIC see Aeronautical Chart and Information Center

ACLANT see Allied Command Atlantic

AECF see Airman Education and Commissioning Program

AFAA see Air Force Audit Agency

AFCEA see Armed Forces Communications and Electronics Association

AFCENT see Allied Forces, Central Europe

AFDAA see Air Force Data Automation Agency

AFISC see Air Force Inspection and Safety Center

AFIT see Air Force Institute of Technology

AFMPC see Air Force Military Personnel Center

AFOSI see Office of Special Investigations

AFRES see Headquarters Air Force Reserve

AFROTC see Reserve Officers Training Corps--Air Force

AFRTS see American Forces Radio and Television Service

AID see Agency for International Development

AMST see Advanced Medium Short Takeoff and Landing Transport

APR see Airman Performance Reports

ARPA see Advanced Research Projects Agency

ARVN see Army--Vietnam (Republic)

ASW see Antisubmarine Warfare

AUTODIN see Automatic Digital Network

AUTOVON see Automatic Voice Network

AWACS see Airborne Warning and Control Systems

AWADS see Adverse Weather Aerial Delivery System

ABRAMS, Creighton W., Jr

Abrams' OK hinges on Lavelle probe (and other star actions announced). *AF Times* 32:4 Jul 12 '72

A broad pair of shoulders at the top--Gen Abrams comes home. *por* *biog Army* 22:6-9 Aug '72

"Fightingest general." (Army's "Abe" Abrams) Barney Halloran. *biog por Soldiers* 27:6-9 Aug '72

Foretaste of Abrams. *Armed Forces J* 110:17 Sep '72

General Abrams nominated as Army Chief of Staff. *por Armor* 81: inside front cover Aug '72

Gen Abrams nominated to be Army Chief of Staff. *por Natl Guardsman* 26:19 Aug-Sep '72

The Lavelle affair hearings delay 2 confirmations (Gen Creighton Abrams, ADM John D. McCain, Jr). *AF Times* 33:4 Sep 6 '72

ABSENT WITHOUT LEAVE see Crimes and Misdemeanors

## ACCELERATION

Changes in cardiac rhythm during sustained high levels of positive (+G<sub>z</sub>) acceleration. Samuel J. Shubrooks, Jr. *illus tabs Aerosp Med* 43:1200-1206 Nov '72

## ACCELERATION - Continued

Comparison of the sensitivity to rotation of pilots and nonpilots. Brant Clark and John D. Stewart. *illus tabs Aerosp Med* 43:8-12 Jan '72

Effect of hydrochlorothiazide on +G<sub>z</sub> tolerance in normotensives. J. R. Pfaff and P. D. Newberry. *illus tabs Aerosp Med* 43:1225-1229 Nov '72

Human tolerance to high, sustained +G<sub>z</sub> acceleration. Michael J. Parkhurst and others. *tabs Aerosp Med* 43:708-712 Jul '72

Influence of vision on susceptibility to acute motion sickness studied under quantifiable stimulus-response conditions. W. J. Oosterveld and others. *illus tabs Aerosp Med* 43:1005-1007 Sep '72

Physiologic responses to short duration G<sub>z</sub>. George H. Kydd. *illus tabs Aerosp Med* 43:1014-1019 Sep '72

Relation between a pilot's sensory perception of linear accelerations and the aircraft motion. Bernard Caiger. *illus Aerosp Med* 43:957-958 Sep '72

Relationship of sodium deprivation to +G<sub>z</sub> acceleration tolerance. Samuel J. Shubrooks, Jr. *tabs Aerosp Med* 43:954-956 Sep '72

## ACCIDENT PREVENTION

### See also

Safety Programs

Accurate and thorough? (Accident investigation) *illus USA Avn Dig* 18:36-45 Apr '72

Aircraft accident prevention and investigation. *TIG Brief* 24:10 Apr 21 '72

Apollo/Saturn 5 safety. David Dooling, Jr. *illus Spaceflight* 14:375-376 Oct '72

Aviate, navigate, communicate. *illus Approach* 17:1-3 Jun '72

Aviation accident prevention survey. Maj Roy P. Hooks. *illus USA Avn Dig* 18:59-62 Mar '72

Bad news for pilots. (RIFs will affect the Air Weather Service) (Excerpts from address, ANG/ADC safety workshop for commanders, May 1972 Col Lewis J. Neyland. *Interceptor* 14:20-21 Jun '72

Bird hazards to military aircraft. *TIG Brief* 24:8 Nov 10 '72

Birdstrike update. *illus TAC Attack* 12:16-19 Feb '72

Buoys will be buoys. LCDR J. F. Meade. *illus US Nav Inst Proc* 98:74-79 Nov '72

Collision avoidance. *illus TAC Attack* 12:20-21 Mar '72

The collision avoidance caper. Joan Feldman. *illus Govt Exec* 4:36-37+ Jun '72

Collision avoidance procrastination continues. *Interavia* 27:1005 Sep '72

Collision avoidance systems controversy. *illus Interavia* 27:472 May '72

Deadly FOD. *illus Aerosp Safety* 28:6-7 Aug '72

Decide to survive. Roger G. Crewse. *illus Interceptor* 14:5-11 Jul '72

Don't apologize for safety. LtCol Oliver A. Lazare. (Adapted from *Combat Crew*, Oct 1971) *illus Approach* 17:36-37 Feb '72

Explosives-loaded aircraft. *TIG Brief* 24:14 May 5 '72

ACCIDENT PREVENTION - Continued

F-4 trend analysis. illus Approach 18:22-23 Jul '72

Fire! (Fire hazards around the flight line) CW2 Peter J. Smith. illus USA Avn Dig 18:6-7 May '72

A Friday night lineup (of air accident causes). illus Approach 18:1-4 Aug '72

General (John D.) Ryan's seven (safety) points: What's your attitude? MAC Flyer 19:8-9 Dec '72

Hazardous airfield facilities. TIG Brief 24:16 Oct 27 '72

Helicopter terrain collisions. George E. Bean. illus tabs USA Avn Dig 18:39-41 Jan '72

Hot hydraulic fluid. (Reprinted from F-5 Service News, March-April 1972) illus Aerosp Safety 28:6-7 May '72

Interservice cross-talk. TIG Brief 24:17 Sep 1 '72

Keep 'em high. (FAA program to reduce midair collision danger) illus MAC Flyer 19:13 Jul '72

Mandatory Instrument Flight Rules (IFR) operations. TIG Brief 24:17 Feb 11 '72

Midair collision prevention. TIG Brief 24:7 Sep 15 '72

Midair collisions. LtCol Carl V. Carter. illus USA Avn Dig 18:50-54 May '72

The (mishap) crack in our mirror (of performance). Ted Kontos. illus USA Avn Dig 18:60-63 Jan '72

On any Sunday? (Motor cycle safety) illus Interceptor 14:11-13 Mar '72

Overgross and into the ditch. illus USA Avn Dig 18:46-47 Mar '72

A pair of close ones--inadvertent IFR. illus Approach 18:1-3 Nov '72

Panacea (for accident prevention). Col George F. Bennett. illus Combat Crew 23:28-30 Feb '72

Pass around your mistakes. LCDR Jeffrey D. Hartman. illus USA Avn Dig 18:16-17 Apr '72

Personnel error is real--why bury it? TIG Brief 24:9 Oct 27 '72

Preventing collisions with the T/F CAS (Time/Frequency Collision Avoidance System). Frederick J. Lauber. illus Interceptor 14:18-22 Aug '72

Preventing midairs in terminal areas. illus Aerosp Safety 28:4-6 Jul '72

Proximity warning devices versus midair collisions. Capt Lee W. Jurney. illus USA Avn Dig 18:12-13 Jan '72

Ready to taxi. illus Approach 17:32-35 Jun '72

Show me! Management in action. Aerosp Safety 28:4-5 Feb '72

Smart cycling. tab TAC Attack 12:28-29 Aug '72

Those man-made rocks (heavy jet wake turbulence) in the sky. Capt Phil Budd. illus MAC Flyer 19:3-6 Nov '72

Triangle of safety. Maj Robert D. Furman. illus Combat Crew 23:12-14 Nov '72

The two-million dollar clipboard. illus Aerosp Safety 28:2-3 Mar '72

The USAF hazard reporting system. TIG Brief 24:12 Feb 11 '72

When am I committed to collision? LT Jotham M. Myers. illus US Nav Inst Proc 98:41-50 Dec '72

ACCIDENT PREVENTION - Continued

When the heat's on. (Precautionary landings) (Adapted from Interceptor, March 1960) illus Interceptor 14:12-13 Aug '72

Write it right! illus Approach 17:26-28 Jun '72

ACCIDENTS

Project MAST (Military Assistance for Safety in Traffic). 1stLt Ron Sconyers. illus MAC Flyer 19:22-23 Jun '72

Statistics

Accidents at 150,000 cumulative flying hours. (Accidents, destroyed, fatal, 1st flight, 150,000 hours for A-7, F-4B, F-100, F-101, F-102, F-104, F-105, F-106, F-111) Table only. Armed Forces J 109:35 May '72

Submarine disasters in peacetime, 1900-1971. Chester L. Somers. illus tab US Nav Inst Proc 98:319-329 May '72

ACCIDENTS, AIR

Collision avoidance. illus TAC Attack 12:20-21 Mar '72

The collision avoidance caper. Joan Feldman. illus Govt Exec 4:36-37+ Jun '72

Collision avoidance procrastination continues. Interavia 27:1005 Sep '72

Decide to survive. Roger G. Crewse. illus Interceptor 14:5-11 Jul '72

Halfway look (at TAC safety performance for 1972). illus tab TAC Attack 12:22-23 Jul '72

The longest flight. illus TAC Attack 12:16-18 May '72

Preventing collisions with the T/F CAS (Time/Frequency Collision Avoidance System). Frederick J. Lauber. illus Interceptor 14:18-22 Aug '72

Responsibility--pilot's or controller's. SMSgt George V. Strickland. Aerosp Safety 28:16-17 Aug '72

"Someone extra special" (Thunderbird's late Maj Joe Howard). illus Govt Exec 4:36 Jul '72

(Transpo '72 success marred by aerial accidents) illus AF Mag 55:16-17 Jul '72

What would you do? (Procedures for reporting a military aircraft accident) CW2 Gary M. Pollak. illus USA Avn Dig 18:26-28 Aug '72

CausesSee also

Pilot Error

Accurate and thorough? (Accident investigation) illus USA Avn Dig 18:36-45 Apr '72

Aerial delinquents often become daisy pushers. A.V. (Tony) LeVier. MAC Flyer 19:10-12 Dec '72

Aircraft accidents/incidents among aircrewmembers flying with medical waiver. Russell B. Rayman. tabs Aerosp Med 43:1265-1269 Nov '72

Aviate, navigate, communicate. illus Approach 17:1-3 Jun '72

Behind the power curve. illus Approach 18:6-8 Dec '72

The big picture. Maj Charlie Brown. illus MAC Flyer 19:16-19 Oct '72



ACCIDENTS, AIR - ContinuedCauses - Cont'd

Bio what? (Biorhythm theory of accident causation) illus TAC Attack 12:16-19 Mar '72

Birdstrike update. illus TAC Attack 12:16-19 Feb '72

The brakes of Naval Air. illus Approach 18:6-7 Aug '72

The case of the fragmented blades. LtCol Robert D. Brubaker. illus MAC Flyer 19:3-6 Jul '72

Chop, drop, and plop. (Non-precision approach) illus tabs MAC Flyer 19:3-7 Aug '72

Demonstrations of flying skill? Arnold R. Lambert. illus USA Avn Dig 18:42-46 Dec '72

Double trouble. illus Approach 18:32-33 Nov '72

Down and out. Regular feature in some issues of Interceptor

F-4 trend analysis. illus Approach 18:22-23 Jul '72

FY-72 helicopter review. illus tabs Approach 18:20-23 Oct '72

Feathered flak. Combat Crew 23:26-27 Nov '72

Flicker vertigo. David T. Forbes. (Reprinted from U.S. Army Aviation Digest, Dec 1971) MAC Flyer 19:20-23 May '72

Flight controls. Vernet V. Poupitch. tab Aerosp Safety 28:12-13 Jan '72

Formation midair collisions. illus tab Approach 17:1-4 May '72

A Friday night lineup (of air accident causes). illus Approach 18:1-4 Aug '72

Fumes in the cockpit. LtCol Russell B. Rayman. tab Aerosp Safety 28:21 May '72

Grouping of the causative factors in investigation of aircraft accidents attributed to pilot errors. N. G. Dudani. Aerosp Med 43:671-674 Jun '72

The helicopter will not float. Maj David E. Vaughan. illus Aerosp Safety 28:1-3 Jan '72

Human error in the seventies. (Air Force aircraft accidents) Anchar F. Zeller. illus tabs Aerosp Med 43:492-497 May '72

IMC (Instrument Meteorological Condition)--friend or foe? CW3 John L. Coleman. illus USA Avn Dig 18:54-57 Jan '72

In-flight structural failures involving general aviation aircraft. Richard G. Snyder. illus tabs map Aerosp Med 43:1132-1140 Oct '72

Intoxicating liquor and the general aviation pilot in 1971. Leonard C. Ryan and Stanley R. Mohler. illus tabs Aerosp Med 43:1024-1026 Sep '72

Medical factors in unlimited class air racing accidents. Richard G. Snyder and Audie W. Davis, Jr. illus Aerosp Med 43:512-519 May '72

Midair collision prevention. TIG Brief 24:7 Sep 15 '72

Midairs with birds. illus maps Approach 17:26-33 Mar '72

Mishap with a moral. Regular feature in some issues of MAC Flyer

Mutual attraction. (Mid air collisions) Robert J. Boyd. Combat Crew 23:18-20 Aug '72

ACCIDENTS, AIR - ContinuedCauses - Cont'd

Navigator error! LtCol Harold A. Barfknecht. (Adapted from MAC Flyer, Feb 1968) Navigator 19, No. 2:11-12 '72; MAC Flyer 19:14-15 Oct '72

1971 (ADC) accident summary. illus tabs Interceptor 14:5-10 Mar '72

1971 (MAC) aircraft incident review. LtCol Benn H. Witterman. illus tabs MAC Flyer 19:19-24 Apr '72

No plan, no fuel, no pitch. illus USA Avn Dig 18:44-45 Mar '72

The oculogravic illusion. LCDR B.J. Smith. illus Approach 18:38-40 Oct '72

Oh say can you see? (Visual acuity of pilots) LtCol Russell B. Rayman. illus Aerosp Safety 28:16-17 Mar '72

The old rotocraft bugaboo. (Icing) illus MAC Flyer 19:14-15 Dec '72

One more time. (Communications gap) Col Donald G. Prieve. (Reprinted from Combat Crew, Aug 1970) illus Combat Crew 23:4-7+ May '72

A pair of close ones--inadvertent IFR. illus Approach 18:1-3 Nov '72

Preventing midairs in terminal areas. illus Aerosp Safety 28:4-6 Jul '72

Remember when, or let's not forget the basics. SqLdr Donald Melvin. map Aerosp Safety 28:6-8 Jan '72

Strange strikes. LCDR D.A. Mohr. illus tab Approach 17:14-15 Jan '72

Those other cause factors. illus tab MAC Flyer 19:3-6 Mar '72

The three W's (who, what, where). Gene Berta. illus USA Avn Dig 18:50-51 Aug '72

To live and learn. (Accident investigation) Col Francis M. McCullar. illus USA Avn Dig 18:44-45 Oct '72

To save a life. (Medevac accidents) Capt Curtis M. Wiegman. illus USA Avn Dig 18:56-59 Aug '72

The two-million dollar clipboard. illus Aerosp Safety 28:2-3 Mar '72

Urea nitrogen--uric acid ratios as a means of identifying avian tissue. Emmett J. Stork. illus tab Aerosp Med 43:172-175 Feb '72

Write it right! illus Approach 17:26-28 Jun '72

Investigations

Accident/incident information retrieval. TIG Brief 24:11 Jul 28 '72

Accurate and thorough? (Accident investigation) illus USA Avn Dig 18:36-45 Apr '72

Aircraft accident in the Faroe Islands in 1970: Observations from a medical point of view, with special reference to spinal fractures. Hans Debes Joensen and Hogni Debes Joensen. illus tabs Aerosp Med 43:665-670 Jun '72

The case of the fragmented blades. LtCol Robert D. Brubaker. illus MAC Flyer 19:3-6 Jul '72

The flight surgeon's "medical team" in aircraft accident investigation. Maj Robert R. McMeekin and Capt Clifford C. Hudson. illus USA Avn Dig 18:16-19 Jul '72

ACCIDENTS, AIR - ContinuedInvestigations - Cont'd

- Gestalt, awareness, and the ASI (Air Safety Investigator). (Adapted from address, International Convention of the Society of Air Safety Investigators, Los Angeles, Oct 26, 1971) David G. Holmes. illus USA Avn Dig 18:46-50 Jan '72
- In-flight structural failures involving general aviation aircraft. Richard G. Snyder. illus tabs map Aerosp Med 43:1132-1140 Oct '72
- Inside job. (Spectrometric Oil Analysis Program, SOAP) LtCol Richard H. Wood. illus Aerosp Safety 28:21-24 Mar '72
- Jurisdictional problems in the autopsy of aircraft accident victims. O. C. Lilienstern. Aerosp Med 43:675-678 Jun '72
- Microscopic identification of bird blood following in-flight collision with aircraft. Dorothy G. Richey and John E. Prince. illus Aerosp Med 43:968-970 Sep '72
- Military aircraft accident safety investigations. TIG Brief 24:15 Apr 7 '72
- One more time. (Communications gap) Col Donald G. Prieve. (Reprinted from Combat Crew, Aug 1970) illus Combat Crew 23:4-7+ May '72
- Overgross and into the ditch. illus USA Avn Dig 18:46-47 Mar '72
- Psychosocial reconstruction inventory: A postdictal instrument in aircraft accident investigation. Robert E. Yanowitch and others. Aerosp Med 43:551-554 May '72
- Requirement for a collateral investigation for aircraft and missile accidents. TIG Brief 24:1 Apr 7 '72
- Roentgenography in the human factors investigation of fatal aviation accidents. Laurence R. Simson, Jr. illus Aerosp Med 43:81-85 Jan '72
- The SAFEREC program--what is it? illus Approach 18:4-5 Dec '72
- Technical specialists at accident investigations. TIG Brief 24:3 Apr 21 '72
- To live and learn. (Accident investigation) Col Francis M. McCullar. illus USA Avn Dig 18:44-45 Oct '72
- 280 feet too low! (Investigation of U-8F crash) illus USA Avn Dig 18:36-42 Jul '72
- Urea nitrogen--uric acid ratios as a means of identifying avian tissue. Emmett J. Stork. illus tab Aerosp Med 43:172-175 Feb '72

Statistics

- Accidents at 150,000 cumulative flying hours. (Accidents, destroyed, fatal, 1st flight, 150,000 hours for A-7, F-4B, F-100, F-101, F-102, F-104, F-105, F-106, F-111) Table only. Armed Forces J 109:35 May '72
- Aircraft accidents/incidents among aircrewmembers flying with medical waiver. Russell B. Rayman. tabs Aerosp Med 43:1265-1269 Nov '72
- American general aviation accidents 1961-1971. (National Transportation Safety Board statistics) Table only. Interavia 27:204 Mar '72
- British military aircraft accidents. John Marriott. tab Armed Forces J 110:58 Sep '72
- FY-72 helicopter review. illus tabs Approach 18:20-23 Oct '72

ACCIDENTS, AIR - ContinuedStatistics - Cont'd

- Halfway look (at TAC safety performance for 1972). illus tab TAC Attack 12:22-23 Jul '72
- Human error in the seventies. (Air Force aircraft accidents) Anchar F. Zeller. illus tabs Aerosp Med 43:492-497 May '72
- Intoxicating liquor and the general aviation pilot in 1971. Leonard C. Ryan and Stanley R. Mohler. illus tabs Aerosp Med 43:1024-1026 Sep '72
- Mishap data--current or obsolete? tab USA Avn Dig 18:50-51 Jun '72
- 1971 (ADC) accident summary. illus tabs Interceptor 14:5-10 Mar '72
- 1971 (MAC) aircraft incident review. LtCol Benn H. Witterman. illus tabs MAC Flyer 19:19-24 Apr '72
- 1971 (SAC) flying safety rate. Tables only. Combat Crew 23:25 Feb '72
- Review of high performance aircraft take off and landing accidents. Erna V. Rice and Earl H. Ninow. tabs Aerosp Med 43:274-277 Mar '72
- Roll of honor as of 1 January 1972. Tables only. MAC Flyer 19:16-17 Mar '72
- Safety in air transport. (Includes tables of fatal jet accidents) Interavia 27:1242-1245 Nov '72
- Selected major aircraft accident rates (per 10,000 hours, FY 69-FY 72). Tables only. Approach 17:13 May '72
- Strange strikes. LCDR D. A. Mohr. illus tab Approach 17:14-15 Jan '72

ACCIDENTS, GROUND (AIRCRAFT)

- Go know go. (Aircraft takeoff and landing accidents) illus Aerosp Safety 23:2-3 Apr '72
- Hazardous airfield facilities. TIG Brief 24:16 Oct 27 '72
- 'Is this the party to whom I am speaking?' (Complacency) illus Approach 18:8-10 Jul '72
- The other way out. (Ground egress) Maj Charles Lehman. illus Aerosp Safety 28:6-7 Mar '72
- Ready to taxi. illus Approach 17:32-35 Jun '72
- What would you do if... (Aircrew survival, takeoff and landing accidents) Erna V. Rice. illus tabs Approach 18:6-9 Nov '72

Investigations

- Accident/incident information retrieval. TIG Brief 24:11 Jul 28 '72
- Helicopter terrain collisions. George E. Bean. illus tabs USA Avn Dig 18:39-41 Jan '72

Statistics

- Helicopter terrain collisions. George E. Bean. illus tabs USA Avn Dig 18:39-41 Jan '72

ACCIDENTS, TRAFFIC

- Aerial ambulance (MAST). Jack L. Finger. illus USA Avn Dig 18:45-47 Nov '72
- Copter ambulance service (MAST) expanded into 19 states. AF Times 32:18 Feb 23 '72
- (Guardsmen as) lifeguards on the highways. illus Natl Guardsman 26:28-29 Oct '72

ACCIDENTS, TRAFFIC - Continued

On using swords as plowshares. illus AF Times pt 1.  
The dust off dividend (Military Assistance to Safety  
and Traffic (MAST)). Andrew Schneider. Family  
sup:8+; pt 2, Peaceful uses of military forces.  
Albert D. Biderman. Family sup:9+ Oct 18 '72

Project MAST (Military Assistance for Safety in  
Traffic). 1stLt Ron Sconyers. illus MAC Flyer  
19:22-23 Jun '72

To save a life. (MAST) SP4 Chuck Noland. illus  
Soldiers 27:34-36 Mar '72

Statistics

On any Sunday? (Motorcycle safety) illus Interceptor  
14:11-13 Mar '72

ACCLIMATIZATION

Cross-adaptation in military trainees in a hot cli-  
mate. Henry B. Hale and others. illus tabs Aerosp  
Med 43:978-983 Sep '72

Effect of altitude acclimatization and simultaneous  
acclimatization to altitude and cold on critical  
flicker frequency at 11,000 ft altitude in man. C. S.  
Nair and others. illus tabs Aerosp Med 43:1097-  
1100 Oct '72

Natural acclimatization to work in severe heat.  
E. Shvartz and others. illus tabs Aerosp Med  
43:637-640 Jun '72

ACCOUNTING

Financial management digest. Regular feature in  
some issues of Armed Forces Comptroller

Fuels management and the base level AFO. Capt  
Charles L. Martin, Jr. illus AF Compt 6:34-35  
Oct '72

Managerial accounting for data automation. LtCol  
John J. McFaull. illus AF Compt 6:14-17 Oct '72

ACES

8th AF--'pioneer'--Pacific unit marks 30 years. illus  
AF Times 32:25 Feb 16 '72

'Ace' race on in SEA skies. AF Times 32:8  
May 24 '72

Aces speak out. (Interview with Capt Steve Ritchie  
and Chuck DeBellevue) Joe Looney. illus AF  
Times 33:63 Oct 11 '72

Airman's tank aces. Armed Forces J 109:15-16  
Jul '72

(Capt Charles B.) DeBellevue bags fifth MIG. Sgt  
Scoop Hamilton. illus AF Times 33:15 Sep 27 '72

(Capt Jeff) Feinstein's fifth MIG gives AF three aces.  
illus AF Times 33:51 Nov 1 '72

(Capt Richard (Steve)) Ritchie first ace (in Vietnam).  
Joe Looney. illus AF Times 33:1+ Sep 13 '72

How (Capt) Steve Ritchie got his fifth MIG. Capt Sisco  
Deen. illus AF Mag 55:28-29 Oct '72

The MIG killers: After seven years of war--aces!  
Brooke Nihart. illus tabs Armed Forces J 109:  
32-35 Jul '72

Sergeant (Arthur P.) Benko: Top Vietnam ace? (And  
other top flying aces of the U. S.) tab AF Times  
33:15 Sep 27 '72

Sierra Hotel. (Ace Capt Steve Ritchie and Charles  
DeBellevue) SSgt David K. Cole. illus Airman  
16:2-5 Nov '72

A time for patriots. (Story of WW II ace Maj Richard  
L. Bong) Jay Reed. illus Airman 16:11-12 Jan '72

ACES - Continued

We fly MIG alley. Capt James Jabara. (Reprinted  
from Air Force, June 1951) illus AF Mag 55:  
108-112 Sep '72

History

Reed G. Landis: America's SE-5 ace. James J.  
Hudson. illus Aerosp Hist 18:195-199 Dec '71

ADJUTANT GENERALArmed Forces

Adjutants General (Assoc, Annual Conference, Reno,  
Nev, May 1972) focus on people and readiness.  
illus Natl Guardsman 26:22-25 Jun '72

What's "big" in '72? (Adjutants General Assoc and  
NGAUS Executive Council meetings, Washington,  
Jan 1972) illus Natl Guardsman 26:22-25+ Feb '72

ADMINISTRATIONSee also

Management  
Management, Military  
Personnel Administration

ADMIRALS see Flag Officers

ADRIATIC SEAStrategic Importance

The Adriatic: Soviet seaway someday? LT Eugene P.  
Sullivan. illus map US Nav Inst Proc 98:26-31  
Aug '72

ADVANCED MANNED STRATEGIC AIRCRAFTSee also

Airplane Type--B-1

ADVANCED MEDIUM SHORT TAKEOFF AND LANDING  
TRANSPORT

Boeing, McDonnell Douglas win AMST design con-  
tracts. illus AF Times 33:6 Nov 29 '72

Double mileage from the military R&D dollar.  
Interview. William M. Magruder. illus AF Mag  
55:34-39 Apr '72

STOL transport prototype work starts. illus Armed  
Forces J 110:14-15 Dec '72

ADVANCED RESEARCH PROJECTS AGENCY

Computer R&D: A field of explosive potential and  
growth. illus Govt Exec 4:48-49+ Sep '72

ADVERSE WEATHER AERIAL DELIVERY SYSTEM

AWADS. Maj James Alexander. illus USAF TAWC  
Rev 3:10-14 Apr '72

Airdrop at An Loc. John L. Frisbee. illus tab AF Mag  
55:40-42 Nov '72

AERIAL GUNNERY see Gunnery, AerialAERIAL REFUELING see In-Flight RefuelingAERIAL WARFARE see Air WarfareAERO CLUBSDirectories

USAF Aero Club directory. Aerosp Safety 28:14-15  
Feb '72

United States

Air Force aero clubs. TIG Brief 24:6 Mar 24 '72



AERO CLUBS - ContinuedUnited States - Cont'd

Flying can be fun. LtCol Herb Petrak. illus MAC Flyer 19:3-5 May '72

Directories

USAF Aero Club directory. Aerosp Safety 28:14-15 Feb '72

AEROBATICS

See also  
Thunderbirds

Curse you, Red Baron. (Flying Circus Aerodrome, Bealton, Va) Philip R. Smith, Jr. illus Soldiers 27:49-52 Jan '72

The Lightning in RAF service. Roger Levy. illus Air Pict pt 1, Mks. 1-4. 34:2-8 Jan '72; pt 2, Mks. 5, 6 and F.2A. 34:56-59 Feb '72

The Red Arrows (RAF aerobatic team). SqLdr R.E. W. Loverseed. illus Royal Air Forces Qtr 11:260-267 Winter '71

AEROBICS see Physical Fitness

AERODYNAMICS

Autorotation. (Reprinted from MAC Flyer, Dec 1971) illus Approach 17:18-22 Mar '72

The C-130 fin stall phenomenon. Walter E. Hensleigh. illus TAC Attack 12:4-7 Apr '72; Approach 18:6-10 Oct '72

Rotating cylinder flap. illus tab TAC Attack 12:28-30 Apr '72

Stick force lightening. Pat Henry. illus TAC Attack 12:4-5 Dec '72

Terminology

What's in a name? (Definitions of "power settling" and "settling with power") David T. Forbes, Jr. illus USA Avn Dig 18:60-62 Apr '72

AEROFLOT

Aeroflot--the fastest growing airline. illus map Interavia 27:162-164 Feb '72

AEROMEDICAL EVACUATION

Documents needed to accompany patients on military common carriers. TIG Brief 24:15 Jul 28 '72

First C-9A medical jets slated for o'sea delivery. AF Times 32:15 Mar 1 '72

(Guardsmen as) lifeguards on the highways. illus Natl Guardsman 26:28-29 Oct '72

Heal that burn (at Brooks Army Medical Center's Institute of Surgical Research, Fort Sam Houston, Tex). SP4 Chuck Noland. illus Soldiers 27:40-43 Feb '72

Med evac missions make rounds in SEA. Sgt Patrick J. McClain. AF Times 33:49 Sep 6 '72

Mental health intervention in aeromedical evacuation. Marilyn A. Becker. illus Aerosp Med 43:333-339 Mar '72

On using swords as plowshares. illus AF Times pt 1, The dust off dividend (Military Assistance to Safety and Traffic (MAST)). Andrew Schneider. Family sup:8+; pt 2, Peaceful uses of military forces. Albert D. Biderman. Family sup:9+ Oct 18 '72

Project MAST (Military Assistance for Safety in Traffic). 1stLt Ron Sconyers. illus MAC Flyer 19:22-23 Jun '72

AEROMEDICAL EVACUATION - Continued

That they may live. Col Waldemar A. Solf, Ret. illus USA Avn Dig 18:4-7+ Jun '72

To save a life. (MAST) SP4 Chuck Noland. illus Soldiers 27:34-36 Mar '72

To save a life. (Medevac accidents) Capt Curtis M. Wiegman. illus USA Avn Dig 18:56-59 Aug '72

History

That they may live. Col Waldemar A. Solf, Ret. illus USA Avn Dig 18:4-7+ Jun '72

AEROMEDICINE see Aviation Medicine

AERONAUTICAL CHART AND INFORMATION CENTER

ACIC--mapping earth and sky. illus AF Mag 55:137-138 May '72

AERONAUTICAL ENGINEERING

Maintainability--an effective engineering discipline. H.M. Sohn. illus Log Spectrum 6:11-17 Spring '72

AERONAUTICAL INSTRUMENTS

See also specific types of instruments, e.g., Altimeters

Big instrument. Regular feature in issues of Combat Crew

Electro-RAM (Electro-mechanical Redundant Actuator Mechanism): A new actuator concept for Fly-By-Wire (FBW). R.H. Mitchell and R.L. Warren. illus tab Signal 26:65-67 Jun '72

The French aviation equipment industry: Some of the major companies. illus Interavia 27:752-755 Jul '72

PMDS (Projected Map Display System) has arrived. Maj Bob Lawler. illus TAC Attack 12:24-25 Jun '72

Preventing collisions with the T/F CAS (Time/Frequency Collision Avoidance System). Frederick J. Lauber. illus Interceptor 14:18-22 Aug '72

Your new AIMS altimetry system. Maj James G. Rider and Capt Lloyd A. Edwards. illus Aerosp Safety 28:10-13 Nov '72

AERONAUTICAL RATINGS

DOD tightens flying rules. Bruce Callander. AF Times 32:1+ Apr 26 '72

Defense sets limits on pro flying officers. AF Times 33:2 Aug 9 '72

Flight pay. TIG Brief 24:3-4 Jun 30 '72

Flying curbs hit services. AF Times 32:1+ Mar 15 '72

Non-flying ratings: New approach. Bruce Callander. AF Times 32:13 Jun 14 '72

ROTC production poses problems. George Foster. AF Times 32:13 Jan 5 '72

Squeeze hitting senior fly pay. Bruce Callander. AF Times 33:1+ Dec 6 '72

2,200 to leave flying jobs--put in rated supplement. AF Times 32:3 Apr 19 '72

AERONAUTICAL RESEARCH

Aerospace technology crystal-gazing. (Panel discussion before National Science Foundation, May 1972) illus Interavia 27:807-808 Aug '72

Foreign governments aid civil aviation industries. illus Govt Exec 4:42-43 Jun '72

## AERONAUTICAL SYSTEMS DIVISION

'Laboratories' fly tests above Ohio countryside. illus  
AF Times 32:63 Mar 8 '72

Man-machine tests made for planned aircraft. AF  
Times 32:44 Mar 15 '72

## AERONAUTICS

This heading is used for articles on technical and technological aspects of aviation and aircraft, both military and civilian; Airlines is used for articles on commercial air transportation companies; Flying is used for popular, nontechnical articles on the pleasures of flying.

### See also

All-Weather Flying	Instrument Flying
Altitude Flying	Night Flying
Aviation	Visual Flying

## AEROSPACE AUDIO-VISUAL SERVICE

Aerospace Audiovisual Service. TIG Brief 24:9  
Nov 24 '72

Management of Air Force audiovisual resources.  
TIG Brief 24:13-14 Jul 14 '72

## AEROSPACE DEFENSE COMMAND

ADC again seeks new interceptor. Armed Forces J  
110:22 Nov '72

ADC begins new program--commanders attend  
course. AF Times 32:51 Feb 16 '72

ADC--detection and defense. illus tab chart AF Mag  
55:94-97 May '72

Aerial combat tactics. (Interview with Maj's Ed  
Woelfel and Larry Haight) illus Interceptor 14:5-1.  
May '72

The answer man. (ADC's junior officer advisor  
Capt Edward A. Orgon and SSgt Dale E. Lybarger.  
illus Airman 16:14-16 Apr '72

Dakota outfits, Wisconsin ANG win ADC Meet  
(William Tell '72). illus tab AF Times 33:27  
Oct 18 '72

Fighters compete in William Tell meet in quest of  
Richard Bong trophy. AF Times 33:43 Sep 20 '72

1971 (ADC) accident summary. illus tabs Interceptor  
14:5-10 Mar '72

Pollution abatement in Aerospace Defense Command.  
Loy A. Callen and Ervin J. Bedker. illus AF Civil  
Engr 13:24-25 May '72

The triad...plus 'one.' Col Sheldon I. Godkin. illus  
AF Mag 55:48-53 Nov '72

William Tell '72. illus tab Interceptor 14:16-17  
Aug '72

William Tell 72--what it's all about. illus Interceptor  
14: entire issue Nov '72

### History

The ADC story. Richard F. McMullen. illus Intercep-  
tor 14:10-15 Sep '72

## AEROSPACE EDUCATION FOUNDATION

The Utah project. MSgt Billy J. Koscheski. USAF  
Instrs J 9:29-32 Winter '71-'72

Utah project--Air Force training goes civilian. illus  
AF Mag 55:69-72 Mar '72

## AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC

Trade groups--action or reaction? Govt Exec 4:12  
Feb '72

## AEROSPACE INDUSTRY AND TRADE

### See also

Aircraft Industry and Trade  
Electronic Industry and Trade  
Missile Industry and Trade  
Space--Commercial Applications

Aerospace review. Regular feature in issues of  
Aerospace International

Jane's aerospace review 71/72. John W.R. Taylor.  
illus AF Mag 55:24-33 Jan '72

### Economic Aspects

Aerospace and the U.S. economy. illus map Space-  
flight I-9-105:31-36 Sep '72

Germany's aerospace industry 1972: Record turnover  
and growing indebtedness. illus tabs Interavia 27:  
328-333 Apr '72

What price aerospace? LtGen L. C. Craigie, Ret.  
Ordnance 56:380-382 Mar-Apr '72

### International Aspects

Will Europe buy American launch vehicles? Interavia  
27:19 Jan '72

### Europe

What price aerospace? LtGen L. C. Craigie, Ret.  
Ordnance 56:380-382 Mar-Apr '72

### Europe, Western

Will Europe buy American launch vehicles? Interavia  
27:19 Jan '72

### Germany (Federal Republic)

Germany's aerospace industry 1972: Record turnover  
and growing indebtedness. illus tabs Interavia  
27:328-333 Apr '72

### Great Britain

Britain's aircraft industry. illus Air Pict 34:330-335+  
Sep '72

### India

Indian aerospace--closing the technology gap. B. J. G.  
Davidson. illus Interavia 27:1237-1239 Nov '72

### Italy

Challenge from the south--reflections on the Italian  
(aircraft) industry. illus Interavia 27:856-857  
Aug '72

### United States

Aerospace technology. C. W. Borklund. illus Govt  
Exec pt 1, A depressed industry and its missing  
government partner. 4:43-45+ Jan '72; pt 2, Its  
image, its real nature, its exploitation. 4:63-65+  
Feb '72; pt 3, The fight to rebuild momentum.  
4:43-44+ Mar '72; pt 4, Progress and pitfalls in  
diversification. 4:76+ May '72; pt 5, Series sum-  
mary: Decision-makers' check list on what needs  
doing. 4:66-68+ Jun '72

Politics & economics: Do they prevent the meaningful  
use of aerospace technology? Govt Exec 4:56+  
Sep '72

Prototyping--middle management featherbedding.  
Interview. LtGen Otto Glasser. illus Govt Exec  
4:23 Oct '72

Space (shuttle) "plum" for North American Rockwell.  
illus Interavia 27:929 Sep '72

Trade groups--action or reaction? Govt Exec 4:12  
Feb '72

AEROSPACE INDUSTRY AND TRADE - ContinuedUnited States - Cont'd

What price aerospace? LtGen L. C. Craigie, Ret.  
Ordnance 56:380-382 Mar-Apr '72

Statistics

Aerospace and the U.S. economy. illus map Space-  
flight 1-9-105:31-36 Sep '72

AEROSPACE MEDICAL ASSOCIATION

Annual awards (1947-1972). Tables only. Aerosp Med  
43:810-811 Jul '72

M(aj)G(en) Spurgeon Neel, USA, is 42d president of  
ASMA. biog Aerosp Med 43:582 May '72

Report of the Association's (May 9) 1972 Miami Beach  
Business Meeting. illus Aerosp Med 43:1046-1056  
Sep '72

AEROSPACE MEDICAL DIVISION

Aerospace medical research in defense systems de-  
velopment. BrigGen George E. Schafer. illus Def  
Mgt J 8:39-44 Jul '72

AEROSPACE MEDICINE see Aviation Medicine;  
Space MedicineAEROSPACE POWERSee also

Air Defenses

Aerospace affairs. AVM W. M. Yool. Regular feature  
in some issues of Army Quarterly and Defence  
Journal

Air superiority comes first. Maj Norman E. Wells.  
illus AU Rev 24:10-25 Nov-Dec '72

Look up! (Space power) LCDR Preston E. Beck. illus  
tab US Nav Inst Proc 98:107-111 Oct '72

History

The evolution of air warfare. MajGen Robert N.  
Ginsburgh and Maj Edd D. Wheeler. illus AU Rev  
23:2-9 Mar-Apr '72

Israel

The Israeli Air Force. Martin J. Miller, Jr. illus  
tabs Ordnance 57:124-129 Sep-Oct '72

Russia

The view from Moscow: Okean and Jenbao--USSR's  
growing sea power and its alarm over Siberia.  
Lawrence Griswold. illus map Sea Power 15:11-17  
May '72

United States

AOK airpower over Khe Sanh. LtCol William H.  
Greenhalgh, Jr, Ret. illus map Aerosp Hist  
19:2-9 Mar '72

"Air power is indivisible." Interview. Stuart Syming-  
ton. illus Armed Forces J 110:26 Sep '72

Air superiority into the 1980s. Gen John C. Meyer.  
illus Aerosp Intl 8:32-34 May-Jun '72

Airpower halts an invasion. (Based on interviews with  
Gens F. C. Weyand, L. D. Clay, Jr, G. W. Johnson,  
J. R. McGiffert and J. W. Vogt, Jr) Edgar Ulsamer.  
illus AF Mag 55:60-68+ Sep '72

Airpower's indispensable role. (Remarks, Armed  
Forces Day Luncheon, Columbus, Ohio, May 19,  
1972) LtGen Glen W. Martin. AF Plcy Ltr for  
Comdrs: Sup No. 8:24-29 Aug '72

AEROSPACE POWER - ContinuedUnited States - Cont'd

Foundation for the next 25 years. (Address, Annual  
Air Force Assoc Luncheon, Washington, Sep 20,  
1972) Robert C. Seamans, Jr. AF Plcy Ltr for  
Comdrs: Sup No. 10:21-24 Oct '72

The future of the Air Force. Gen John D. Ryan. illus  
Armed Forces J 110:46+ Sep '72

The kind of aerospace power we need. (Address, Aero  
Club of Washington, July 18, 1972) Robert C. Sea-  
mans, Jr. AF Plcy Ltr for Comdrs: Sup No. 9:2-6  
Sep '72

History

The Air Force is 25. illus Air Reservist 24:2-3 Aug-  
Sep '72

(Arthur) Godfrey salutes the Air Force. illus Review  
51:21+ May-Jun '72

Balloons to jets: From hot air to hotter air. illus  
Armed Forces J 110:34+ Sep '72

How the Air Force won its wings. William A. Kinney.  
(Condensed from Airman, Sep 1965) illus Airman  
16:4-8+ Sep '72

Strategic bombing and changing times. Col Albert P.  
Sights, Jr, Ret. illus AU Rev 23:14-26 Jan-Feb '72

25 years of growing pains, or is airpower really  
sixty years old? Editorial. Armed Forces J  
110:25 Sep '72

United States Air Force, 1947-1972. illus Contact  
26:5-7 Jul-Aug '72; Signal 27:20-23 Oct '72

United States Air Force: "Pride in the past, faith in  
the future." illus Contact 26:2-4 Sep-Oct '72

Wings South: The first foreign employment of air  
power by the United States. (Mexican Punitive  
Expedition of 1916) Maj James L. Crouch. illus  
Aerosp Hist 19:27-31 Mar '72

AEROSPACE RESCUE AND RECOVERY SERVICE

Air rescue in Southeast Asia--right from Hanoi's  
own backyard. Edgar Ulsamer. illus AF Mag 55:  
30-34 Oct '72

CAP coordinators take rescue class. AF Times 32:63  
May 10 '72

Project MAST (Military Assistance for Safety in  
Traffic). 1stLt Ron Sconyers. illus MAC Flyer  
19:22-23 Jun '72

T-minus disaster! (Rescue procedures for Apollo  
aborted missions) MSgt L. B. Leonberger. illus  
Airman 16:2-8 Dec '72

26-year-old ARRS lists 22,000 saves. illus AF Times  
32:32 Mar 29 '72

AEROSPACE RESEARCH PILOT SCHOOL

Edwards Space School gets 12 pilots in August. AF  
Times 32:8 Apr 5 '72

Psychiatric and psychometric predictability of test  
pilot school performance. Burford W. Culpepper  
and others. tabs Aerosp Med 43:1257-1260  
Nov '72

AFRICA

Africa rejects "absolute neutrality." Andrei Klimov.  
Soviet Mil Rev No. 1:57-58 Jan '72

Military assistance to Black Africa--blessing or  
curse? Lt Bryant P. Shaw. illus map AU Rev  
23:72-78 May-Jun '72



AFRICA - ContinuedPolitics and Government

Africa in the 1970s. Ali A. Mazrui. (Digested from Survey, Spring 1972) illus Mil Rev 52:89-98 Nov '72

Should NATO worry about the scramble for Africa? illus map NATO's Fifteen Nations 17:16-23 Apr-May '72

Strategic Importance

Should NATO worry about the scramble for Africa? illus map NATO's Fifteen Nations 17:16-23 Apr-May '72

AFRICA, SOUTH

The military outlook: Southern Africa. Lewis H. Gann. illus map Mil Rev 52:59-72 Jul '72

South Africa's military industrial complex. Al J. Venter. illus Intl Def Rev 4:547-548 Dec '71

Strategic Importance

South Africa and the defence of the Cape route. (Interview with P. W. Botha) Paul Giniewski. illus NATO's Fifteen Nations 17:24-26 Apr-May '72

AFRICA, SUB-SAHARAN

The fledgling navies of Black Africa. (Research paper, Naval War College) Richard W. Hale. illus Nav War Col Rev 24:42-55 Jun '72

AGE

Longitudinal study on physical performance of ten pilots over a ten-year period. Sarah A. Nunneley and others. illus tabs Aerosp Med 43:541-544 May '72

AGENCY FOR INTERNATIONAL DEVELOPMENT

Transportation procurement at A. I. D.: 300 million tons--some reminiscences. R. C. Duane. illus tabs Def Trans J 28:52-55 Jan-Feb '72

AGRICULTURE DEPT

They shoot sick plants. (58th Weather Reconnaissance Sq tracks corn blight) Ed Blair. illus Airman 16:52-55 Feb '72

United States Department of Agriculture: Warehousing and transportation procurement. illus tab Def Trans J 28:56-58 Jan-Feb '72

AIDES

MajGen Chester V. 'Ted' Clifton, Jr, Ret--adviser to presidents. illus Armed Forces J 109:10 Apr '72

AIR ASSAULT CONCEPT

The Airborne Division (82d) in the '70's. LtCol Robert M. Elton. illus Army 22:16-20 Sep '72

AIR BASE DEFENSESee also

Disaster Control

Is the airfield the Achilles heel of the conventional combat aircraft? A. W. Bedford. illus Interavia 27:497-498 May '72

Sensors for defense. Capt Terry S. Robinson and 1stLt James P. Campbell. illus USAF TAWC Rev 3:15-19 Apr '72

AIR BASESSee also

Air Bases, Marine  
Air Bases, Naval  
Inactivation of Installations and Units--Air Force

ConstructionSee also

Vietnamese Conflict, 1957- --Engineering and Construction

How to accomplish a Base Development Plan (BDP). Capt Robert L. Bell. illus AF Civil Engr 13:17-18 Feb '72

Prime BEEF. illus Air Reservist 24:6-7 Aug-Sep '72

Dispersal

Is the airfield the Achilles heel of the conventional combat aircraft? A. W. Bedford. illus Interavia 27:497-498 May '72

SAC reduces plans for satellite bases. AF Times 32:37 Jul 5 '72

Maintenance and Repair

How to accomplish a Base Development Plan (BDP). Capt Robert L. Bell. illus AF Civil Engr 13:17-18 Feb '72

Is the airfield the Achilles heel of the conventional combat aircraft? A. W. Bedford. illus Interavia 27:497-498 May '72

FranceHistory

A. E. F. combat airfields and monuments in France. WW I. Royal D. Frey. illus map Am Avn Hist Soc J 17:194-200 Fall '72

United States

Air bases are entered by name and location as given by the U. S. Organization Chart Service's U. S. Military and Government Installation Directory.

ANG to get Otis AFB (Mass) in wave of unit shuffles. AF Times 32:55 Apr 12 '72

SAC reduces plans for satellite bases. AF Times 32:37 Jul 5 '72

Directories

USAF active major installations by "operating command" & major tenant commands as of 1 July 1970. Map only. Contact 25:35 Nov-Dec '71

USAF's bases at home and abroad--a concise guide. map AF Mag 55:144-149 May '72

Bolling AFB, DC

DC intensifies bid to take over Bolling (AFB). AF Times 33:3 Sep 6 '72

Bolling AFB, DC--History

Bolling Air Force Base: A brief history. illus Aerosp Hist 19:90-93 Jun '72

Davis-Monthan AFB, Ariz

Chopper's last stand (at Military Aircraft Storage and Disposition Center, Davis-Monthan AFB, Ariz). Sgt1C D. Mallicoat. illus Soldiers 27:5-7 Dec '72

Housing at Davis-Monthan (AFB, Ariz) eased for lower grades. illus AF Times 32:8 May 3 '72

AIR BASES - ContinuedUnited States - Cont'dDow AFB, Maine

The city that refused to fail. (Bangor, Maine opened airport after closing of Dow AFB) Capt Gary A. Guimond. illus Airman 16:37-39 Jun '72

Eielson AFB, Alas

The winter of 61. illus Combat Crew 23:4-7+ Nov '72

Grand Forks AFB, ND

Are you still out there, world? Tecoland, USA survives in the boonies of (Grand Forks AFB) North Dakota. Marianne Lester. illus AF Times, Family sup:12-15+ Dec 6 '72

Lackland AFB, Tex

OTS expansion planned--building at Lackland (AFB, Tex). illus AF Times 32:16 Jan 5 '72

Laughlin AFB, Tex

Wastin' in the hills. (Laughlin AFB, Tex and social problems) MSgt Loren B. Leonberger. illus Airman 16:11-14 Aug '72

McGuire AFB, NJ

McGuire (AFB, NJ) pollution alleged. AF Times 32:15 Jan 5 '72

Norton AFB, Calif

Norton times change--San Bernardino base is home for more than 40 outfits. Bob Neprud. illus AF Times 33:59 Oct 11 '72

Otis AFB, Mass

ANG to act as Otis (AFB, Mass) 'host.' AF Times 33:19 Oct 4 '72

Randolph AFB, Tex

Air base-community planning; Randolph AFB, (Tex) Subregion Thoroughfare Study Group leads the way. Michael L. Donovan. illus map AF Civil Engr 13:2-5 May '72

AIR BASES, AMERICANDirectories

USAF's major installations overseas. Table only. AF Mag 55:149 May '72

Azores

No-hurry island (Lajes AB, Azores). TSgt Billy E. Helms. illus AF Times 32:21 Feb 9 '72

Germany(Federal Republic)

(USAF bases in) Germany. AF Times pt 1, Barracks need improvement. 32:8 Apr 26 '72

USAFE shake-up set--thousands face move. Bob Towle. AF Times 33:1+ Oct 11 '72

Great Britain

England--it's good duty, but living costly. illus AF Times 32:42 Apr 12 '72

Welcome to Britain! An ally tells all about his country. Col Norman L. Dodd, Ret. illus AF Times 33:25+ Dec 6 '72

Greenland

Some cold impressions (Thule AB, Greenland). Capt Gary A. Guimond. illus Airman 16:9-11 Feb '72

Tea for Thule. Capt Gary A. Guimond. illus Airman 16:21-23 Mar '72

AIR BASES, AMERICAN - ContinuedPacific Islands

Wake Island--sea level air base on a volcano. John B. Leslie II. illus MAC Flyer 19:19-21 Nov '72

Spain

The taloned threat. (Falcons make runways safe at Torrejon AB, Spain) MSgt Loren B. Leonberger. illus Airman 16:47-50 Feb '72

Vietnam (Republic)

Bien Hoa Air Base: Short on toilet paper but long on teamwork. Benjamin F. Schemmer. illus Armed Forces J 109:15-17 Jun '72

AIR BASES, MARINEUnited StatesNew River MCAS, NC

MCAS, New River named McCutcheon Field in dual ceremony. illus MarCor Gaz 56:5 Jul '72

AIR BASES, NAVALGreat Britain

Prestwick (H.M.S. Gannet) flics Navy. Richard Gardner. illus Air Pict 34:105 Mar '72

United States

Naval air bases are entered by name and location as given by the U. S. Organization Chart Service's U.S. Military and Government Installation Directory.

The coral carrier (Tern Island, French Frigate Shoals). A. Binion Amerson, Jr. illus maps Mil Engr 64:33-36 Jan-Feb '72

History

Naval Reserve Aviation Base, Long Beach (Calif), 1929-1942. Allen E. Morgan. illus Am Avn Hist Soc J pt 1, The early years. 16:280-285 Winter '71; pt 2, Major training base buildup to WW II. 17:30-35 Spring '72; pt 3, Post script. 17:191-199 Fall '72

AIR CARGO

Boeing's heavyweight contender--the 747F (freighter version). Edgar Ulsamer. illus AF Mag 55:68-69 Jan '72

Lines lose bid to get larger slice of cargo. AF Times 32:4 Apr 12 '72

Lufthansa cargo--enter the jumbo (Boeing 747F). Klaus H8hle. illus Interavia 27:230-231 Mar '72

Lufthansa's Boeing 747F operation. Interavia 27:657 Jun '72

USAF okays bigger cargo option on STOL transport. Armed Forces J 109:21 Jan '72

Statistics

MAC keeps 'private air line.' tab Armed Forces J 109:10-11 May '72

AIR CAVALRYSee also

1st Cavalry Division (TRICAP)

Modern armor. MajGen William R. Desobry. illus Armor 81:4-7 Mar-Apr '72

The new blitzkrieg. LtCol Cecil L. Shrader. illus Armor 81:12-16 Sep-Oct '72

AIR CAVALRY - Continued

The role of helicopters in conventional warfare. Col DeLyle G. Redmond. illus USA Avn Dig 18:6-9+ Jan '72

Rotors for the Rangers. LtCol Thomas J. Shaughnessy. illus Army 22:38-42 May '72

AIR CREWS

See also specific kinds of crew members, e.g.

Navigators

Pilots

Radio Operators

Aircrew certifications. TIG Brief 24:3-4 Sep 15 '72

'Copter crew chief. Majs D.J. Meskan and R.C. Marshall. illus MarCor Gaz 56:47-48 May '72

Cut set in 607 EM flight slots--loadmasters, engineers affected. AF Times 32:21 Apr 5 '72

Duty hours and sleep patterns in aircrew operating world-wide routes. Anthony N. Nicholson. illus tabs Aerosp Med 43:138-141 Feb '72

EM sought for crew slots--'Palace Fly' needs volunteers. AF Times 32:6 Jul 19 '72

Keratoconus in USAF flying personnel. William E. Barry and Thomas J. Tredici. tabs Aerosp Med 43:1027-1030 Sep '72

Naval flight officer (in Marine fighter planes). Capt J.D. Cummings. illus MarCor Gaz 56:23-26 May '72

Pay plan for fliers aimed at 'mid years.' Bruce Callander. AF Times 32:13 Mar 1 '72

Physiologic stress during 50-hour double-crew missions in C-141 aircraft. H.B. Hale and others. tabs Aerosp Med 43:293-299 Mar '72

Separate flight pay rates may go--for crew, non-crew. AF Times 33:42 Nov 8 '72

A strange kinda bird. (Aviation battlefield support) Maj Peter J. Barrett. USA Avn Dig 18:2-3 May '72

Task of a medical department in civil aviation. Kornelis Vaandrager. Aerosp Med 43:439-445 Apr '72

Want to PCS? Ask for SEA. Bruce Callander. AF Times 32:1+ Feb 16 '72

What does it take to fly the mission. Capt Joseph R. Davis. Combat Crew 23:2-3 Sep '72

Word to flying airmen: Forget 'excusal' status. AF Times 32:2 Feb 9 '72

Education and Training

Air Inter and Air France--crew training for automatic flight. illus tab Interavia 27:63-64 Jan '72

Certificate of aircrew qualification. TIG Brief 24:9 Mar 10 '72

Crew chief school established at Hill (AFB, Utah). AF Times 32:40 Jul 19 '72

Education and training in electronic warfare. Navigator 19. No. 3:21-24 '72

Emergency situation training. Capt Kerry G. Herron. illus Aerosp Safety 28:2-5 Aug '72

Expertise, experience and the C-130. illus Air Reservist 24:6-7 Apr '72

The good old days. (Systems Approach to Training (SAT)) Maj Tom LaPolt. illus TAC Attack 12:4-7 Feb '72

AIR CREWS - ContinuedEducation and Training - Cont'd

Handling the hijacker. W.J. McArthur and others. illus tab Aerosp Med 43:1118-1121 Oct '72

Instructional System Development (ISD). TIG Brief 24:14 Dec 8 '72

More emergency situation training. Capt Kerry G. Herron. illus Aerosp Safety 28:16-17 Sep-Oct '72

AIR CUSHION VEHICLES

Air cushion vehicle research in the U.S. Navy. J. Philip Gddes. illus tabs Intl Def Rev 4:552-554 Dec '71

Army studies replacement of entire obsolete marine fleet. illus Armed Forces J 110:15+ Dec '72

Boeing hydrofoil contract: Five, 25, or 100 PHMs? illus Armed Forces J 109:20 Jan '72

Future water transport. Maj William D. Siuru, Jr and William G. Holder. illus Ordnance 56:395-399 Mar-Apr '72

High speed surface transportation--rail challenges air on inter-city routes. Max Nibloe. illus Interavia 27:510-511 May '72

High speed surface transportation--the challengers. Michael Brown. illus (Also cutaway) maps tabs Interavia 27:512-520 May '72

The hovertrain. Peter Mason. illus Mil Engr 64:12-15 Jan-Feb '72

Military air cushion aircraft. Kennerly H. Digges. illus Mil Engr 64:304-308 Sep-Oct '72

Small combatants--1972. Arthur Davidson Baker III. illus tabs US Nav Inst Proc pt 1, Communist, neutral, and NATO North. 98:240-263 May '72

The small economy size--surface effect mini-carrier. Larry Booda. illus Sea Power 15:17-21 Jan '72

Testing

ACV model experiments. Karl L. Kirkman. illus Mil Engr 64:413-415 Nov-Dec '72

AIR DEFENSE COMMAND see Aerospace Defense Command

AIR DEFENSESSee also

Missile Defense

Sage

Warning Systems

Air superiority comes first. Maj Norman E. Wells. illus AU Rev 24:10-25 Nov-Dec '72

China (People's Republic)

Communist China's Air Force. Niu Sien-Chong. NATO's Fifteen Nations 17:70-72+ Aug-Sep '72

Great Britain

Air support of the land battle in the late 1970s. (Comment on article by AVM P. de L. LeCheminant, Army Quarterly, July 1970; Royal United Service Institution Journal, Sep 1970) WgComdr Duncan Allison. illus RUSI J for Def Studies 117:21-27+ Jun '72; Condensation. Royal Air Forces Qtr 12:175-183 Autumn '72

Britain's air defense at the crossroads. Derek Wood. illus Intl Def Rev 5:294-296 Jun '72

Meeting the new threat--the UK plans a flexible response. illus tab Interavia 27:960-963 Sep '72



AIR DEFENSES - ContinuedGreat Britain - Cont'd

Strike Command supreme. J. D. R. Rawlings. illus  
Air Pict 34:309 Aug '72

U.K. air defence. illus Air Pict 34:15 Jan '72

NATO

Air support of the land battle in the late 1970s. (Comment on article by AVM P. de L. LeCheminant, Army Quarterly, July 1970; Royal United Service Institution Journal, Sep 1970) WgComdr Duncan Allison. illus RUSIJ for Def Studies 117:21-27+ Jun '72; Condensation. Royal Air Forces Qtr 12: 175-183 Autumn '72

The modernization of 2(d) ATAF (Allied Tactical Air Force). Maj Wilfried Dallmann. illus NATO's Fifteen Nations 16:125-132 Dec '71-Jan '72

U.K. air defence. illus Air Pict 34:15 Jan '72

Switzerland

Florida--the key to Switzerland's air defences. illus Interavia 27:713-715 Jul '72

The Swiss Air Force. Florian Davatz. illus tab  
Aerosp Hist 18:170-177 Dec '71

United StatesSee also

North American Air Defense Command

Air Force--is it the strongest Service? Interview. Robert C. Seamans, Jr. illus Govt Exec 4:16-17 May '72

The gaps in our air defense. Claude Witze. illus  
map tabs AF Mag 55:33-39 Mar '72

New perspective on aerospace defense. (Address, Fresno Chapter, Air Force Assoc, Fresno, Calif. Sep 9, 1972) MajGen H. A. Hanes. AF Plcy Ltr for Comdrs: Sup No. 10:2-8 Oct '72

Our three-legged stool. (Triad concept of defense) Ted R. Sturm. map Airman 16:2-5 Jan '72

The Reserves--a new mission. Gen John D. Ryan. illus Officer 48:14+ Jun '72

SRAM (Short Range Attack Missile)--the last word in defense suppression. Edgar Ulsamer. illus AF Mag 55:28-34 Feb '72

Tac Air's responsiveness--the nub of U.S. national strategy. Interview. Gen William W. Momyer. illus AF Mag 55:32-37 Dec '72

(Tactical Air Defense Systems--TADS) Signal 27:67 Oct '72

The triad...plus 'one.' Col Sheldon I. Godkin. illus AF Mag 55:48-53 Nov '72

(U.S. loss of strategic superiority) LtGen Ira C. Eaker, Ret. AF Times 32:13 Feb 9 '72

United States strategic and tactical Air Forces--today and tomorrow. Gen John D. Ryan. illus NATO's Fifteen Nations 17:16-19+ Aug-Sep '72

Unspotted Cuban aircraft shows up U.S. air net. AF Times 32:2 Jan 26 '72

History

The ADC story. Richard F. McMullen. illus Interceptor 14:10-15 Sep '72

Vietnam (Republic)

Vietnamization: Impossible dream? Bruce Callander. AF Times 32:1+ Jan 26 '72

AIR DROP see AirdropAIR EXPRESS see Air CargoAIR FORCEBiography

Memories of Air Force leaders: Men who built the Air Force. Joseph L. Kreiger. illus Review 52:22+ Sep-Oct '72

Divisions, Wings, Groups, etcSee also specific types of units, e.g.,

Airlift Units	Missile Units
Bomber Units	Mobile Training Units
Fighter Units	Transportation Units

Great Britain

BAOR (British Army Of the Rhine)'s airborne trucking service (No. 18 Sq). Roger Goodwin. illus Air Pict 34:172-173 May '72

46 Group. AVM Neil Cameron. illus Royal Air Forces Qtr 12:165-173 Autumn '72

Great Britain--History

History of No. 24 Squadron. J. D. R. Rawlings. illus Air Pict 34:144-147 Apr '72

No. 41 Squadron--a history. J. D. R. Rawlings. illus Air Pict 34:428-431 Nov '72

New Zealand--History

Dive bomber! The Douglas SBD Dauntless in Royal New Zealand Air Force service (No. 25 Sq). Cliff F. L. Jenks. illus maps tabs Am Avn Hist Soc J 17:40-48 Spring '72

United States

Eglin unit (4485th Test Sq) conducts 'hot' hardware tests. AF Times 32:25 Jan 5 '72

F-111s return to SEA; AF presence decreased. Ed Gates. AF Times 33:6 Oct 11 '72

One city remembers--the 101st (Airborne Division (Airmobile)) returns. SP4 Chuck Noland. illus Soldiers 27:6-19 Apr '72

(3320th Retraining) Gp handles 10,360 convicts--20 years of rehabilitation. AF Times 32:33 Mar 1 '72

Serendipity of safety. (552d Airborne Warning and Control Wing safety program) illus Interceptor 14:5-7 Jun '72

United States--History

(416th Bomb Wing) Griffiss (AFB, NY) marks 30th anniversary. AF Times 32:26 May 10 '72

Historical center (Albert F. Simpson Historical Research Center at Maxwell AFB, Ala) knows all about unit background. AF Times 33:63 Oct 25 '72

AfghanistanHistory

Aviation in Afghanistan. M. J. Hardy. illus tab Air Pict 34:122-127 Apr '72

Australia

A whole new cricket match or a Yank in the R. A. A. F. Capt Michael E. Ryan. illus USAF Ftr Wpns Rev No. 4:26-28 Winter '71

AIR FORCE - ContinuedHistory

The Royal Australian Air Force marks its golden jubilee. Reg MacDonald. illus tab Aerosp Hist 19: 69-76 Jun '72

AustriaHistory

Military aviation in Austria-Hungary, 1893-1918. Gunther Rothenberg. illus Aerosp Hist 19:77-82 Jun '72

Belgium

The Belgian Air Force re-equips. Andre van Haute. illus tab Air Pict 34:392-394 Oct '72

Biafra

Biafran T-6's. A. le Nobel. illus Am Avn Hist Soc J 17:103-104 Summer '72

Bulgaria

The Bulgarian scene. Paul R. Duffy. illus Air Pict 34:80-82 Mar '72

History

Bulgaria at war. Richard P. Bateson. illus tab map Air Pict pt 1, Rebirth of an Air Force. 34:88-94 Mar '72; pt 2, Into battle. 34:140-143 Apr '72; pt 3, Under the Allied onslaught; a change of sides. 34:177-179+ May '72

Bulgarian A. F. William Hesz. illus Air Pict 34:82-83 Mar '72

CanadaHistory

Canadian military aviation, 1909-1922. Bruce Robertson. illus tab Air Pict 34:256-259 Jul '72

China (People's Republic)

Communist China's Air Force. Niu Sien-Chong. NATO's Fifteen Nations 17:70-72+ Aug-Sep '72

History

Communist China's Air Force. Niu Sien-Chong. NATO's Fifteen Nations 17:70-72+ Aug-Sep '72

Denmark

Gals play big role in Danish AF. AF Times 32:21 May 17 '72

FranceHistory

Thunderstreaks and Flashes over France. Jean-Pierre Hoehn. illus tab Am Avn Hist Soc J pt 1, 17:145-153 Fall '72

Germany (Federal Republic)

Die Luftwaffe--cactus country good citizens. Col Barney Oldfield, Ret. illus NATO's Fifteen Nations 17:94-99 Aug-Sep '72

Great Britain

Air traffic control--the service side. AVM E. D. Crew. illus Royal Air Forces Qtr 11:277-286 Winter '71

Britain's air defense at the crossroads. Derek Wood. illus Intl Def Rev 5:294-296 Jun '72

British military aircraft accidents. John Marriott. tab Armed Forces J 110:58 Sep '72

Defence Forces in Parliament. Regular feature in some issues of Royal Air Forces Quarterly

AIR FORCE ContinuedGreat Britain - Cont'd

Letter from London: Crawling arms talks and galloping arms race. NATO's Fifteen Nations 17:12-15 Apr-May '72

Management training and the Royal Air Force. WgComdr R. W. Lomas. illus Hawk No. 33:53-59 Feb '72

Meeting the new threat--the UK plans a flexible response. illus tab Interavia 27:960-963 Sep '72

RAF's Red Arrows streak toward Transpo '72. illus Armed Forces J 109:32 Apr '72

The Royal Air Force as peace-maker and peace-keeper. WgComdr P. A. Gifkins. illus Royal Air Forces Qtr 12:85-89 Summer '72

History

The Lockheed Neptune in RAF service. Peter J. Howard. tab illus (Also cutaway) Air Pict pt 1, 34:284-287+ Aug '72; pt 2, 34:356-360 Sep '72

The RAF on D-Day: Order of battle for home-based aircraft units, 6th June 1944. Peter M. Corbell. illus chart Air Pict 34:396-401 Oct '72

Organization

Authority within the RAF--centralise or delegate? SqLdr G. Gardner. Royal Air Forces Qtr 12:99-104 Summer '72

Strike Command supreme. J. D. R. Rawlings. illus Air Pict 34:309 Aug '72

Hong Kong

Hong Kong's Air Force. Peter Iliffe-Moon. illus Air Pict 34:348 Sep '72

Iraq

The Israeli Air Force. Martin J. Miller, Jr. illus tabs Ordnance 57:124-129 Sep-Oct '72

Israel

Israel air-to-air combat record. Armed Forces J 110:46+ Oct '72

The Israeli Air Force. Martin J. Miller, Jr. illus tabs Ordnance 57:124-129 Sep-Oct '72

Israeli helicopter forces: Organization and tactics. Maj Thomas J. Marshall. illus Mil Rev 52:94-99 Jul '72

History

The Israeli Air Force. Martin J. Miller, Jr. illus tabs Ordnance 57:124-129 Sep-Oct '72

A short history of the Israeli Air Force. illus Aerosp Hist 19:10-17 Mar '72

Saudi Arabia

On a clear day you can see forever, but... (Effect of clouds on tactical air power) 1stLt Rich Johnson. illus tabs USAF TAWC Rev 3:20-28 Apr '72

ItalyHistory

Martin 187 in Italian service. Tullio Marcon. illus tab Am Avn Hist Soc J 17:112-116 Summer '72

Oman

The Sultan of Oman's Air Force. WgComdr P. J. Hirst. illus Royal Air Forces Qtr 11:273-275 Winter '71

AIR FORCE - ContinuedSwitzerland

Mountain gunnery: One country's (Switzerland's) answer. Capt Leonard Ekman. illus USAF Ftr Wpns Rev No. 4:10-13 Winter '71

History

The Swiss Air Force. Florian Davatz. illus tab Aerosp Hist 18:170-177 Dec '71

Syria

The Israeli Air Force. Martin J. Miller, Jr. illus tabs Ordnance 57:124-129 Sep-Oct '72

United Arab Republic

The Israeli Air Force. Martin J. Miller, Jr. illus tabs Ordnance 57:124-129 Sep-Oct '72

United States

Air armament of the future. (Address, 54th Annual Defense Preparedness Meeting, American Ordnance Assoc, Eglin AFB, Fla, Oct 4, 1972) Gen George S. Brown. AF Plcy Ltr for Comdrs: Sup No. 11:25-29 Nov '72

Air Force--is it the strongest Service? Interview. Robert C. Seamans, Jr. illus Govt Exec 4:16-17 May '72

Air Force request for authorizations (FY 1973). (Statement before House Armed Services Committee, March 2, 1972) Gen John D. Ryan. AF Plcy Ltr for Comdrs: Sup No. 5:2-13 May '72

The air war in Vietnam. John L. Frisbee. illus map AF Mag 55:48-56+ Sep '72

Challenge of the seventies. Ralph C. Lenz, Jr. illus AU Rev 23:49-54 Mar-Apr '72

Change is for leaders. (Address, Arnold Air Society Dining-In, Purdue University, Lafayette, Ind, Dec 10, 1971) BrigGen William H. Best, Jr. AF Plcy Ltr for Comdrs: Sup No. 3:7-12 Mar '72

Foundation for the next 25 years. (Address, Annual Air Force Assoc Luncheon, Washington, Sep 20, 1972) Robert C. Seamans, Jr. AF Plcy Ltr for Comdrs: Sup No. 10:21-24 Oct '72

The future of the Air Force. Gen John D. Ryan. illus Armed Forces J 110:46+ Sep '72

Human error in the seventies. (Air Force aircraft accidents) Anchard F. Zeller. illus tabs Aerosp Med 43:492-497 May '72

Importance of complete and accurate FORSTAT (FORce STATUS) reporting. TIG Brief 24:3 Sep 1 '72

Improving the quality of Air Force living. (Remarks, Officers' Wives Club, Bolling AFB, Washington, Oct 14, 1971) Gen John D. Ryan. AF Plcy Ltr for Comdrs: Sup No. 1:2-7 Jan '72

Opportunities in the Air Force. (Remarks, Coolidge High School Career Day, Washington, March 15, 1972) Col Lucius Theus. AF Plcy Ltr for Comdrs: Sup No. 7:18-23 Jul '72

A rationale for adequate U.S. aerospace forces. Gen John D. Ryan. illus tab AF Mag 55:50-53 May '72

The role of the Air Force in the 1980s. (Address, American Ordnance Assoc, Eglin AFB, Fla, Oct 4, 1972) MajGen Leslie W. Bray. AF Plcy Ltr for Comdrs: Sup No. 11:17-24 Nov '72

AIR FORCE - ContinuedUnited States - Cont'd

SALT saves the Air Force. Col Robert D. Heintz, Jr. Armed Forces J 109:9+ Aug '72

A silver anniversary review. AF Mag 55: entire issue Sep '72

The view from the tank: Interviews with the Joint Chiefs. illus Armed Forces J 109:36-44 Jan '72

Who will be next AF chief? Ed Gates. AF Times 33:13 Sep 13 '72

Bibliography

Bibliography of Air Force history. AF Plcy Ltr for Comdrs: Sup No. 6:31 Jun '72

Directories

(AF) Register to appear every 2 years. AF Times 33:9 Sep 13 '72

History

A. E. F. combat airfields and monuments in France, WW I. Royal D. Frey. illus map Am Avn Hist Soc J 17:194-200 Fall '72

The Air Force historical program. Aerosp Hist 19:119 Sep '72

The Air Force is 25. illus Air Reservist 24:2-3 Aug-Sep '72

The Air Force takes wing from the Army. Frank W. Jennings. Airman 16:15-17 Sep '72

"Air power is indivisible." Interview. Stuart Symington. illus Armed Forces J 110:26 Sep '72

(Arthur) Godfrey salutes the Air Force. illus Review 51:21+ May-Jun '72

A fresh look at history in the Air Force. (Address, History Club Dining-In, USAF Academy, Colorado Springs, Nov 4, 1971) MajGen Robert N. Ginsburgh. AF Plcy Ltr for Comdrs: Sup No. 2:18-25 Feb '72; Adaptation. Aerosp Hist 19:114-118 Sep '72

Historical center (Albert F. Simpson Historical Research Center at Maxwell AFB, Ala) knows all about unit background. AF Times 33:63 Oct 25 '72

History of the Air Force, 1947-1972. illus TAC Attack 12:24-28 Sep '72

How the Air Force won its wings. William A. Kinney. (Condensed from Airman, Sep 1965) illus Airman 16:4-8+ Sep '72

Kimmel, Short were not bad guys. (Address, 30th Anniversary Commemoration of Pearl Harbor, Verdugo Roost Dinner, Assoc of Old Crows, Burbank, Calif, Dec 8 1971) Gen Mark E. Bradley, Ret. tab Elect Warfare 4:20-21+ Winter '72

Memories of Air Force leaders: Men who built the Air Force. Joseph L. Kreiger. illus Review 52:22+ Sep-Oct '72

Men who made the Air Force. Herman S. Wolk. illus AU Rev 23:9-23 Sep-Oct '72

New responsibilities of Air Force officers. Col Noel F. Parrish. (Reprinted from Air University Quarterly Review, Spring 1947) illus AU Rev 23:12-25 Mar-Apr '72

Pick a birthday, any birthday--AF marks several milestones. Bruce Callander. AF Times 32:13 Apr 5 '72



AIR FORCE - ContinuedUnited States - Cont'dHistory - Cont'd

- Poker, Benj Franklin and golden wings. (Air Force Historical Foundation) Maj Robert P. Everett. illus Airman 16:2-6 Apr '72
- Roots of strategic deterrence. Herman S. Wolk. illus Aerosp Hist 19:137-144 Sep '72
- A silver anniversary review. AF Mag 55: entire issue Sep '72
- So it came to pass. (USAF quest for autonomy) William A. Kinney. Airman pt 1, 16:38-41 May '72 pt 2, 16:34-36 Jun '72; pt 3, 16:30-32 Jul '72
- 25 years of growing pains, or is airpower really sixty years old? Editorial. Armed Forces J 110:25 Sep '72
- USAF 25(th anniversary) photo album. AF Mag pt 1, The early years. 55:88-94; pt 2, Korea. 55:98-105; pt 3, Cold war. 55:114-121; pt 4, Change and transformation. 55:128-135; pt 5, Testing, testing 55:148-155; pt 6, Focus on Indochina. 55:168-174 Sep '72
- United States Air Force, 1947-1972. illus Contact 26:5-7 Jul-Aug '72; Signal 27:20-23 Oct '72
- United States Air Force: "Pride in the past, faith in the future." illus Contact 26:2-4 Sep-Oct '72
- Washington to Alaska and back: Memories of the 1934 U.S. Air Corps test flight (in Martin B-10's). MajGen Hugh J. Knerr. illus map Aerosp Hist 19:20-24 Mar '72
- Wings over the border: The Army Air Service Armed Patrol of the United States-Mexico border, 1919-1921. Stacy C. Hinkle. illus maps Am Avn Hist Soc J pt 1, 17:184-190 Fall '72

Organization

- Air Force Audit Agency--new title for Air Force audit organization (Auditor General). TIG Brief 24:20 Feb 11 '72
- The Air Force--25 years later. Col J. Richard Brown. illus tabs AF Compt 6:10-12 Oct '72
- (Charts showing structure of the Office of the Secy of the AF, the USAF Command and Staff, the Deputy Chiefs of Staff, the major commands and the separate operating agencies as of April 15, 1972) AF Mag 55:54-55 May '72
- A consolidated effort to assist CE organizations worldwide. (AF Civil Engineering Center) Capt John Pelleck. illus chart AF Civil Engr 13:13-15 Nov '72
- SAFLL special issue. illus AF JAG L Rev 14: entire issue Spring '72

Statistics

- AF 4,500 below level (and other Services strengths tabulated). tab AF Times 33:21 Aug 9 '72
- Budget testimony--little in new hardware expected. AF Times 32:40 Jun 25 '72
- Drop in (Air) Force seen. George Foster. AF Times 33:1+ Sep 27 '72
- Force to dip 13,000 in '73; TAC bears brunt of cuts. AF Times 32:38 Apr 26 '72
- 40,000 cuts held likely. Bruce Callander. AF Times 33:1+ Dec 20 '72

AIR FORCE - ContinuedUnited States - Cont'dStatistics - Cont'd

- Importance of complete and accurate FORSTAT (FORCE STATUS) reporting. TIG Brief 24:3 Sep 1 '72
- More eagles wear blue. AF Times 32:13 May 31 '72
- New slash slated in force levels. AF Times 32:1+ Jan 19 '72
- Reduced procurement in offing--trimming the force. AF Times 32:6 Jan 12 '72
- Senate unit votes to cut average strength 20,500. AF Times 32:3 Jul 12 '72
- Strength figure: Up, down...now? AF Times 33:3 Oct 18 '72
- Total strength dips 20% but AF loss virtually nil. tab AF Times 32:6 Apr 12 '72

Vietnam (Republic)

- The air war in Vietnam. John L. Frisbee. illus map AF Mag 55:48-56+ Sep '72
- Americans in the Vietnamese Air Force: The "Dirty Thirty." (Adapted from The Air Force in Southeast Asia: Tactical Airlift) Col Ray L. Bowers. illus Aerosp Hist 19:125-131 Sep '72
- A time to teach, a time to learn. (Air Force advisors to the RVNAF) Sgt Dave Cole. illus Airman 16:2-7 Aug '72
- VNAF fleet grows--U.S. speeds plane deliveries as truce seems likely. AF Times 33:5 Nov 22 '72
- VNAF meets the test. John L. Frisbee. illus AF Mag 55:50-53 Jun '72
- Vietnamization: Impossible dream? Bruce Callander. AF Times 32:1+ Jan 26 '72

History

- 900-plane VNAF keeps growing. illus AF Times 32:23 Jan 26 '72

AIR FORCE, 5th

- Pursley receives 3d star, 5AF job (and other star assignments and star retirements announced). AF Times 33:4 Oct 25 '72

History

- Flying, floating and fighting angels (5th Air Force's 3d Emergency Rescue Sq). George A. Reynolds. illus Aerosp Hist 18:200-202 Dec '71

AIR FORCE, 7th

- Dual sarges (CMSgts Jackie O. Godwin and Grant S. Williams) lead 7th AF. SSgt Tom Marchant. illus AF Times 32:43 Mar 29 '72
- House probes (Gen John D.) Lavelle affair. illus AF Times 32:8 May 31 '72
- John Vogt: Unique path to top. Ed Gates. illus AF Times 32:13 May 3 '72
- New Seventh Air Force commander. (Gen John W. Vogt, Jr; Gen John D. Lavelle retires) illus AF Mag 55:32 May '72
- USAF closes the Lavelle case. AF Mag 55:20 Dec '72

AIR FORCE, 8thHistory

8th AF--'pioneer'--Pacific unit marks 30 years. illus  
AF Times 32:25 Feb 16 '72

AIR FORCE, 17th

17th AF slates move to Sembach (AB, Germany)--  
first USAF shift. AF Times 33:8 Oct 18 '72

AIR FORCE, 21st

The Fix It Fast Express (FIFE). Capt Brian T. Ter-  
namian. illus Airman 16:42-45 Nov '72

AIR FORCE ACADEMY

(AFA) cadet (Herb Harrison)'s new address: Ivory  
Coast village. illus AF Times 32:10 Aug 2 '72

AFA grads lose early-out bid. George Foster. AF  
Times 32:1+ Jul 26 '72

AFROTC and USAFA: Time for a change. Col  
Frederick C. Thayer, Ret. illus AF Mag 55:58-61  
Jul '72

Academies too costly? Public feels otherwise. Ed  
Gates. AF Times 32:13 Jun 7 '72

Academy cheating raises questions. Ed Gates. AF  
Times 32:13 Feb 23 '72

Academy (honor) code praised. AF Times 33:63  
Nov 29 '72

Academy '71' lose bids for early-outs. AF Times  
33:8 Aug 16 '72

Black festival a success, say cadets at (AF)  
Academy. illus AF Times 32:28 Feb 9 '72

Cadets get insurance coverage. AF Times 32:50  
Jul 5 '72

Chapel case cause for concern. George Foster. AF  
Times 33:13 Dec 6 '72

"Look, Ma! No engine!" Soaring program at the  
Academy. James R. Patterson. illus AF Mag 55:  
90-92 Nov '72

MTI (Military Training Instructor) duties and  
responsibilities--USAFA Preparatory School.  
SMSgt Dwight W. Anderson. illus USAF Instrs J  
9:4-12 Winter '71-'72

'People lab' sets ex-cadet analysis. AF Times 32:44  
Mar 15 '72

Sentiment of soul. (Black Culture Festival at USAF  
Academy) Ted R. Sturm. illus Airman 16:24-32  
Jun '72

Training goes on for (AFA) cadets, home and abroad.  
AF Times 32:37 Jul 19 '72

2 Academy grads ask immediate out. AF Times 33:4  
Dec 20 '72

USAFA--a matter of degrees. illus AF Mag 55:120-  
121 May '72

Word due on chapel for cadets (at AFA). AF Times  
32:3 Jul 19 '72

Statistics

At Academy's 14th commencement--762 graduate.  
illus AF Times 32:5 Jun 21 '72

AIR FORCE ACCOUNTING AND FINANCE CENTER

AFAFC--USAF's payoff command. illus AF Mag  
55:130-131 May '72

AFAFC's AMPS (Accrued Military Pay System) 360/65  
system. Capt Charles L. Martin, Jr. illus tabs AF  
Compt 6:8-10 Jan '72

AIR FORCE ACCOUNTING AND FINANCE CENTER -  
Continued

Air Force Accounting and Finance Center: "Service  
(and \$\$\$) to the customer." illus Contact 26:1-4  
Jul-Aug '72

Cancellation of leave authorizations. TIG Brief 24:13  
Nov 24 '72

Denver computer assumes Bergstrom (AFB, Tex),  
Clark (AB, Philippines) payrolls. George Foster.  
AF Times 33:3 Dec 20 '72

Finance Center reverses retiree allotment policies.  
AF Times 32:23 Mar 1 '72

Leave accounting system. TIG Brief 24:20 Mar 24 '72

Meet BrigGen Larry M. Killpack. illus AF Compt  
6:12 Jan '72

AIR FORCE AID SOCIETY

(AF) Aid Society offers free school loans. AF Times  
33:3 Nov 29 '72

Aid Society 'assets' reach many. Bruce Callander.  
AF Times 32:13 May 3 '72

AIR FORCE ASSOCIATION

AFA--effective voice of aerospace power. Gen Bruce  
K. Holloway. illus AF Mag 55:70-72 Jan '72

AFA to air war, R&D issues. (Topics to be addressed  
and awards to be presented at AFA Convention,  
Washington, Sep 18-21, 1972) AF Times 33:15  
Sep 13 '72

AFA's Policy Resolutions for 1972-73 (as adopted at  
26th National Convention, Washington, Sep 19,  
1972). AF Mag 55:12-13 Nov 72

Air Force Association units and individuals honored  
at the (1972) Convention. Table only. AF Mag 55:  
78 Nov '72

The Air Force Association's 1972-73 Statement of  
Policy (as adopted at 26th National Convention,  
Washington, Sep 19, 1972). AF Mag 55:8-9 Nov '72

Aircrews lauded at AFA parley. AF Times 33:5  
Oct 4 '72

Awards at the 1972 Air Force Association National  
Convention, Washington. Table only. AF Mag 55:  
60-61 Nov '72

The business side of the (AFA) Convention (Washing-  
ton, Sep 17-21, 1972). Don Steele. illus AF Mag  
55:76-81 Nov '72

Employer support of the Guard and the Reserve. (Re-  
port on NG and Reserve Forces Seminar, AFA  
Convention, Washington, Sep 20, 1972) Maj Robert  
W. Hunter. illus AF Mag 55:82-86 Nov '72

The 1972 AFA National Convention (Washington, Sep  
17-21, 1972)... a memorable salute to USAF's  
first quarter century. Edgar Ulsamer. illus AF  
Mag 55:54-61 Nov '72

72 conclaves, highlights. (Summary of the NGAUS  
94th General Conference, San Francisco, Sep 11-  
14, 1972 and AFA's 26th National Convention,  
Washington, Sep 17-21, 1972) illus Air Reservist  
24:8-9 Nov '72

The outstanding twelve (airmen for 1972). illus  
Airman 16:39-41 Nov '72

Something old and something new. (AFA's 1972 aero-  
space development briefings) (AFA Convention,  
Washington, Sep 17-21, 1972) Claude Witze. illus  
AF Mag 55:72-75 Nov '72

AIR FORCE ASSOCIATION - Continued

The strategic requirement--AFA symposium in Orlando (Fla, Dec 15-16, 1971). Edgar Ulsamer. illus AF Mag 55:58-64 Feb '72

AIR FORCE AUDIT AGENCY

AFAA--evaluating USAF efficiency. illus AF Mag 55:132-133 May '72

Air Force Audit Agency--new title for Air Force audit organization (Auditor General). TIG Brief 24:20 Feb 11 '72

Auditing in the Air Force. TIG Brief 24:14 Sep 15 '72

AIR FORCE COMMUNICATIONS SERVICE

AFCS--conduit for command. illus tab chart AF Mag 55:102-105 May '72

(AFCS has started automation in air traffic control) Signal 26:59 May '72

Communications Service marks 11th anniversary. AF Times 32:39 Jul 19 '72

Education advances AFCS careers--command develops four-phase program. AF Times 32:36 Jul 19 '72

AIR FORCE CROSS

AF Cross won by loadmaster (SSgt Charles L. Shaub). illus AF Times 33:46 Oct 18 '72

AF Cross won by pilot (Capt Leonard J. Funderburk) at Craig (AFB, Ala). AF Times 32:32 Jul 5 '72

Instructor pilot (Capt William R. Carter) wins AF Cross. AF Times 33:23 Sep 27 '72

AIR FORCE DATA AUTOMATION AGENCY

AFDAA--meeting management's data demands. illus AF Mag 55:133-134 May '72

AIR FORCE DATA SYSTEMS DESIGN CENTER

AF Data System Design Center. Col Robert A. Bass. illus AF Compt 6:9 Oct '72

Organization

Data Systems Design Center: Designing, developing and maintaining the "systems for decisions." Capt James R. Legg. illus Contact 26:2-5 Mar-Apr '72

AIR FORCE HISTORICAL FOUNDATION

Poker, Benj Franklin and golden wings. Maj Robert P. Everett. illus Airman 16:2-6 Apr '72

AIR FORCE INSPECTION AND SAFETY CENTER

AFISC--the eyes and ears of the Chief of Staff. illus AF Mag 55:135 May '72

Air Force Inspection and Safety Center (AFISC). TIG Brief 24:7 Jun 30 '72

AIR FORCE INSTITUTE OF TECHNOLOGYSee also

Minuteman Education Program

AFIT broadens program--emphasis shifting. AF Times 33:5 Aug 30 '72

AFIT graduates 105 engineers. AF Times 32:22 Jun 28 '72

AFIT names 53 grads. AF Times 32:21 Feb 23 '72

Board selection for AFIT to end. (New data bank will determine eligibility) AF Times 32:3 Apr 12 '72

AIR FORCE INSTITUTE OF TECHNOLOGY - Continued

Col Robert H. McIntire: Director, Civilian Institutions. illus Contact 25:9 Nov-Dec '71

Directorate of Civil Engineering: From handymen to professional civil engineers. illus Contact 26:2-5 Jan-Feb '72

FY 1971 (and 1972) temporary promotion selection rates. (AFIT totals) Tables only. Contact 25:25 Nov-Dec '71

Many chafe at AFIT list delay. AF Times 32:3 Jan 12 '72

Newest AFIT list contains no WAF. AF Times 32:8 Feb 9 '72

1,047 named as AFIT selectees to attend (universities) in FY-1973. AF Times 32:5 Jan 19 '72

Revised AFIT identification process. TIG Brief 24:13 Jun 16 '72

Screenings begin for AFIT berths. AF Times 33:4 Oct 11 '72

Senior noncommissioned officers to attend AFIT courses. TIG Brief 24:12 Sep 29 '72

788 selected for FY-74 AFIT; 247 alternates named. AF Times 33:63 Dec 13 '72

Students 'teach' computer. (Thesis projects for AFIT) AF Times 32:36 Jul 19 '72

AIR FORCE LOGISTICS COMMAND

AFLC--lifeline of the aerospace team. illus tab chart AF Mag 55:84-87 May '72

Comptroller activities at major commands: Hq Air Force Logistics Command. Steve Canton. chart illus tab AF Compt 6:2-8 Apr '72

(Gen Jack J.) Catton to head AFLC, (LtGen George B.) Simler going to MAC (and other general officer action announced). AF Times 33:2 Aug 16 '72

AIR FORCE MILITARY PERSONNEL CENTER

AFMPC--managing USAF's human resources. illus AF Mag 55:128-129 May '72

The melody is you. (USAF Advanced Personnel Data System) Capt Gary A. Guimond. illus Airman 16:36-39 Apr '72

AIR FORCE OFFICE OF SPECIAL INVESTIGATIONS  
see Office of Special InvestigationsAIR FORCE SECURITY SERVICE

USAFSS--communications security. illus tab AF Mag 55:118-119 May '72

AIR FORCE SERGEANTS ASSOCIATION

AFSA resolutions--equal treatment sought for enlisted crewmen. AF Times 33:6 Dec 6 '72

EM's 'time clock' just like officer's. AF Times 32:4 Jul 5 '72

VIPs to meet with sarges (at Air Force Sergeants Assoc Annual Meeting, Sacramento, Calif, Sep 23-28, 1972). AF Times 33:17 Sep 27 '72

AIR FORCE SPECIALTY CODE see Personnel Classification--Air Force--U.S.AIR FORCE SYSTEMS COMMANDSee also agencies by name, e.g.,

Aeronautical Systems Division  
Aerospace Medical Division  
Armament Development and Test Center  
Arnold Engineering Development Center  
Electronic Systems Division



AIR FORCE SYSTEMS COMMAND - Continued

- AFSC--a step ahead of history. illus tab chart AF Mag 55:80-83 May '72
- AFSC Procurement Evaluation Panel: New check in defense systems acquisition. MajGen Edmund F. O'Connor. illus Def Mgt J 8:11-16 Apr '72
- Comptroller activities at major commands: Hq Air Force Systems Command, Steve Canton. illus tab AF Compt 6:2-8 Jul '72
- Cost management in Air Force Systems Command. George S. Brown. illus AF Compt 6: back cover Jan '72
- Meet BrigGen Louis O. Alder, DCS/Comptroller, AFSC. illus AF Compt 6:1+ Jul '72
- Program management. Gen George S. Brown. illus Ordnance 57:54-58 Jul-Aug '72

Organization

- Foreign Technology Division: Unlocking the secrets of foreign aerospace technology. SSgt David Kaufmann. illus Contact 26:2-5 May-Jun '72

AIR FORCE TECHNICAL TRAINING CENTERS

- Accent on professionalism. (Communications-Electronics Systems Staff Officer Course, Keesler Technical Training Center) LtCol Harry D. Pettus. illus USAF Instrs J 9:62-65 Spring '72
- 'Lifeblood' of AWS. (Dept of Weather Training, Chanute AFB, Ill) illus AF Times 32:27 Apr 12 '72
- A student's opinion (of AF technical training program). AlC Gregory J. Voeltz. USAF Instrs J 9:15-18 Winter '71-'72

AIR FORCE VILLAGE

- Full year awaited--annual meeting of AF Village. AF Times 32:27 May 17 '72
- 100th contract signed for Air Force Village. AF Times 32:20 Mar 22 '72
- Their place in the sun. MSgt Loren B. Leonberger. illus Airman 16:12-14 Jul '72
- Village observes second birthday. AF Times 33:19 Nov 22 '72

AIR FORCES IN EUROPESee also

- Air Force, 17th
- 17th AF slates move to Sembach (AB, Germany)--first USAFE shift. AF Times 33:8 Oct 18 '72
- USAF in Europe. Roger A. Freeman and George W. Pennick. illus tab Air Pict 34:270-272 Jul '72
- USAFE--American air shield for Europe. illus tab charts AF Mag 55:63-67 May '72
- USAFE fights sickle cell. AF Times 33:3 Oct 4 '72
- USAFE: Responsibilities, up; defense budgets, down. John L. Frisbee. illus AF Mag 55:35-41 Feb '72
- USAFE shake-up set--thousands face move. Bob Towle. AF Times 33:1+ Oct 11 '72

AIR FORCES SOUTHERN COMMAND

- Comptroller activities at major commands: Comptrollership--Southern style. (Air Forces Southern Command) Col F. L. Patrone. illus AF Compt 6:30-33 Jan '72
- USAFSO--samaritan south of the border. illus tab AF Mag 55:114-115 May '72

AIR FREIGHT see Air CargoAIR-GROUND TRAINING

- The Airborne Division (82d) in the '70's. LtCol Robert M. Elton. illus Army 22:16-20 Sep '72
- (Operation) Blue Ax. illus tab MarCor Gaz 56:27-29 May '72

AIR LAW

- ICAO and you. Maj James P. Leger. Combat Crew 23:26-27 Jan '72

AIR MAIL SERVICE see Postal ServiceAIR MOBILITYSee also

- Air Assault Concept
- Air Cavalry
- 1st Cavalry Division (TRICAP)
- Close Air Support

- The Airborne Division (82d) in the '70's. LtCol Robert M. Elton. illus Army 22:16-20 Sep '72

- Airlift--a balanced view. LtCol Horace E. Wood, Jr. illus AU Rev 23:62-71 May-Jun '72

- The Chinook story. Leo Burnett. illus tabs USA Avn Dig 18:8-14 Aug '72

- Debating the future of 'flying tanks.' Lloyd Norman. illus Army 22:18-21 Feb '72

- Planning large-scale combined airmobile operations. Maj Michael J. Morin. illus Infantry 62:19-23 Nov-Dec '72

- Prime tactical lessons of the Vietnam War--three innovations. LtCol John R. Galvin. illus Army 22:16-20 Mar '72

- The role of helicopters in conventional warfare. Col DeLyle G. Redmond. illus USA Avn Dig 18:6-9+ Jan '72

- UTTAS (Utility Tactical Transport Aircraft System) to succeed Huey. Richard E. Gile. illus Infantry 62:56-57 Nov-Dec '72

- The vectored thrust platform (light aerial transporter). Richard E. Gile. illus Infantry 62:36-38 Jan-Feb '72

AIR NATIONAL GUARD see National Guard--Air ForceAIR NAVIGATION see Navigation, AirAIR POLICE see Military PoliceAIR POLLUTION see PollutionAIR POWER see Aerospace PowerAIR PROVING GROUND CENTER see Armament Development and Test CenterAIR RACES see Airplanes--RacesAIR RESERVE PERSONNEL CENTER

- ARPC recruiting command post in full swing (to handle Palace Chase). Officer 48:24 Jun '72

- ARPC--the Reserve's home of record. illus AF Mag 55:126-128 May '72

AIR RETRIEVAL AND RECOVERY SYSTEMS

- Human biomedical responses to 110 through 175 knot (IAS) aerial tow. Donald H. Reid and others. illus tabs Aerosp Med 43:1109-1117 Oct '72

AIR ROUTES see AirwaysAIR-SEA RESCUE see Search and Rescue

AIR SHOWS see Aviation--Exhibitions

#### AIR STAFF

AF captains train at high level. (ASTRA, Air Staff TRAINing program) Armed Forces J 109:8 Jun '72

(Charts showing structure of the Office of the Secy of the AF, the USAF Command and Staff, the Deputy Chiefs of Staff, the major commands and the separate operating agencies as of April 15, 1972) AF Mag 55:54-55 May '72

Who will be next AF chief? Ed Gates. AF Times 33:13 Sep 13 '72

#### History

Who first ran the Air Force? (Staff positions and officers assigned, as of Oct 10, 1947) Armed Forces J 110:32 Sep '72

AIR STRATEGY see Strategy, Air

AIR SURVEILLANCE see Surveillance

AIR TACTICS see Tactics, Air

AIR TAXI SERVICE see Airlines, Local Service; Helicopters, Local Service

AIR-TO-AIR RESCUE see Air Retrieval and Recovery Systems

#### AIR TRAFFIC CONTROL

See also

Ground-Controlled Approach

(AFCS has started automation of air traffic control) Signal 26:59 May '72

Air traffic control: Where have we been--where are we going? Capt Joseph L. Thomas. illus TAC Attack 12:24-26 Nov '72

Automatic altitude reporting. illus Approach 18:20-21 Jul '72

Can these two puzzle parts solve your transponder problem? Richard G. Harding. illus USA Avn Dig 18:18-21 Sep '72

The collision avoidance caper. Joan Feldman. illus Govt Exec 4:36-37+ Jun '72

Collision avoidance procrastination continues. Interavia 27:1005 Sep '72

Collision avoidance systems controversy. illus Interavia 27:472 May '72

Implementing area navigation. tabs Interavia 27:616-617 Jun '72

The jawbone of an ass. (Radio communication techniques) MAC Flyer 19:11-15 Sep '72

Keep 'em high. (FAA program to reduce midair collision danger) illus MAC Flyer 19:13 Jul '72

Preventing midairs in terminal areas. illus Aerosp Safety 28:4-6 Jul '72

Radar displays. illus MAC Flyer 19:12-14 Jun '72

Radio Suisse--Switzerland's link with the world. illus tab Interavia 27:719 Jul '72

Tightrope to Berlin. MSgt L. B. Leonberger. illus Airman 16:12-15 Jun '72

U.S. ATC changes boost general aviation avionics demands. James Holahan. illus tabs Interavia 27:1096-1098 Oct '72

Why USAASO (U.S. Army Aeronautical Services Office) sez? Col George Rogers. illus USA Avn Dig 18:18-22 Jan '72

#### AIR TRAFFIC CONTROL - Continued

Your new ADMS altimetry system. Maj James G. Rider and Capt Lloyd A. Edwards. illus Aerosp Safety 28:10-13 Nov '72

#### Equipment

Help for the cab squad. (Improved control towers) John McKeeman. illus USA Avn Dig 18:20-21 Aug '72

The rubber duck. (TAC's Tactical Air Control and Reporting Center) Sgt Cal Deal. illus Airman 16:44-46 Aug '72

#### History

Air traffic control--the service side. AVM E.D. Crew. illus Royal Air Forces Qtr 11:277-286 Winter '71

#### Testing

(Traffic Control And Landing Systems (TRACALS) Evaluation Program) Signal 27:60 Dec '72

#### AIR TRAFFIC CONTROLLERS

Air controllers hold parley. AF Times 33:3 Nov 22 '72

Air traffic controllers. H.R. Kaplan. illus Review 51:34-35+ Mar-Apr '72

Attitudes and motivations of air traffic controllers in terminal areas. Roger C. Smith and others. illus tab Aerosp Med 43:1-5 Jan '72

Education advances AFCS careers--command develops four-phase program. AF Times 32:36 Jul 19 '72

Guardian angels. (Air traffic controllers in Vietnam) Col George P. Kelly. illus USA Avn Dig 18:2-6 Aug '72

"Hey tower, haven't you got my clearance yet?" Col Robert E. Darlington. illus TAC Attack 12:12-13 May '72; Adaptation. Approach 18:14-15 Dec '72

Human factors evaluation of labelled radar displays. R. A. Edenborough. illus Aerosp Med 43:1190-1193 Nov '72

(Officer qualifications in the air traffic control utilization field) Signal 26:118 Jun '72

Plenty busy at the panel. (CAP and National Guard Bureau cooperate to provide training for ANG air traffic controllers) illus Natl Guardsman 26:28-29 Jun '72

Radar's role in air traffic control. Robert A. Beatty, Jr. illus USA Avn Dig 18:4-5+ May '72

Responsibility--pilot's or controller's. SMSgt George V. Strickland. Aerosp Safety 28:16-17 Aug '72

#### AIR TRAINING COMMAND

ATC and the 'quality force.' Interview. LtGen George B. Simler. illus USAF Instrs J 9:4-9 Spring '72

ATC--in step with the times. illus tab chart AF Mag 55:98-101 May '72

ATC leads way with nurse visits. AF Times 32:51 Feb 23 '72

ATC makes case for staying in--new approach to wage comparison. Bruce Callander. AF Times 32:13 Jun 28 '72

ATC: Multibillion dollar 'classroom.' AF Times 32:13 Apr 26 '72

AIR TRAINING COMMAND - Continued

- ATC's program for better educated civilians. Glen R. Barnard. illus tabs AF Compt 6:16-17+ Apr '72
- Basic training work extends beyond Lackland (AFB, Tex). AF Times 32:50 Mar 1 '72
- 'College' credit set for tech courses. Bruce Callander. AF Times 32:1+ Mar 29 '72
- Commanders meet human relations problems. (Remarks, 1st International Meeting, Brotherhood Assoc of Military Airmen, Tucson, Ariz, June 8, 1972) MajGen John R. Murphy. AF Plcy Ltr for Comdrs: Sup No. 9:14-20 Sep '72
- A Community College for the Air Force. Interview. LtGen George B. Simler. illus AF Mag 55:65-68 Mar '72
- Community College of the Air Force. TIG Brief 24:16 Jun 30 '72
- General (George B.) Simler dies. illus AF Times 33:61 Sep 27 '72
- Mission: Understanding. (ATC Human Relations Team) LtCol Ralf M. Miller and Capt James E. Tilton. illus Airman 16:12-15 Feb '72
- Renaissance in ATC. Ted R. Sturm. illus Airman 16:8-12 Apr '72
- Unit name changes--Air Training Command. TIG Brief 24:15 Sep 29 '72

AIR UNIVERSITYSee also

Air Force Institute of Technology  
Air War College  
Squadron Officer School

- AU--polishing the professionals. illus tab chart AF Mag 55:106-108 May '72
- Air University: Campus for professionals. Jet Pearce. illus Airman 16:19-21 May '72
- Air University classes, quotas, announced for ANG. Natl Guardsman 26:16 Mar '72
- Five join Air University Board (of Visitors). AF Times 32:32 Jan 12 '72
- NCO Academy (Gunter AFB, Ala)--oriented to 'people.' AF Times 32:10 May 3 '72
- Supergrade (NCO) academy to open next year (at Gunter AFB, Ala). AF Times 32:3 Apr 5 '72

AIR WAR COLLEGE

- AWC group at UN. AF Times 33:40 Nov 29 '72
- (Air War College audio cassette loan service for the Associate Programs and announcement of curricula additions) Air Reservist 24:3 May '72
- (Air War College group study program) Air Reservist 24:13 Mar '72

AIR WARFARE

- Air superiority comes first. Maj Norman E. Wells. illus AU Rev 24:10-25 Nov-Dec '72
- Air support. MajGen A. Karikh. illus Soviet Mil Rev No. 9:19-22 Sep '72
- Another helicopter concept. LtCol James Angeles. Ret. illus USA Avn Dig 18:24-27 Apr '72
- The evolution of air warfare. MajGen Robert N. Ginsburgh and Maj Edd D. Wheeler. illus AU Rev 23:2-9 Mar-Apr '72

AIR WARFARE - Continued

- The F-4E--a pilot's view. Maj Henry E. Bielinski. illus AF Mag 55:34-39 Nov '72
- Leadership and the dogfight. LtCol Ron Ronen. MarCor Gaz 56:57-58 May '72
- Mission versus tradition. LCDR Stuart J. Fitrell. illus US Nav Inst Proc 98:120-121 Mar '72
- On a clear day you can see forever, but... (Effect of clouds on tactical air power) 1stLt Rich Johnson. illus tabs USAF TAWC Rev 3:20-28 Apr '72
- (TAC Project) 'Red Baron' probes SEA air warfare. AF Times 32:32 Jan 19 '72
- Tac Air's responsiveness--the nub of U.S. national strategy. Interview. Gen William W. Momyer. illus AF Mag 55:32-37 Dec '72
- The way of the future: Low level. LtCol Donald R. Hull. illus USA Avn Dig 18:2-3+ Oct '72

History

- Strategic bombing and changing times. Col Albert P. Sights, Jr, Ret. illus AU Rev 23:14-26 Jan-Feb '72

Study and Teaching

- Aerial combat tactics. (Interview with Majs Ed Woelfel and Larry Haight) illus Interceptor 14:5-11 May '72
- Friendly bandits at six o'clock. (Air Combat Training, a joint AF-Navy program) Capt Don D. Carson. illus Airman 16:33-34 Jan '72

AIR WEATHER SERVICE

- Bad news for pilots. (RIFs will affect the Air Weather Service) (Excerpts from address, ANG/ADC safety workshop for commanders, May 1972) Col Lewis J. Neyland. Interceptor 14:20-21 Jun '72
- 'Lifeblood' of AWS. (Dept of Weather Training, Chanute AFB, Ill) illus AF Times 32:27 Apr 12 '72
- They shoot sick plants. (58th Weather Reconnaissance Sq tracks corn blight) Ed Blair. illus Airman 16:52-55 Feb '72
- The weather career field. illus Contact 26:6 Jan-Feb '72

AIRBORNE FORCESSee also

Paratroops

RussiaOrganization

- The Soviet airborne forces. Maj E. van Veen. illus chart tab NATO's Fifteen Nations 17:58-63 Jun-Jul '72

United States

- The Airborne Division (82d) in the '70's. LtCol Robert M. Elton. illus Army 22:16-20 Sep '72
- The future of Airborne. LtCol Thomas E. Parsons. illus chart Infantry 62:6-8 Nov-Dec '72

AIRBORNE OPERATIONSSee also subdivision under specific wars, e.g.,

Vietnamese Conflict, 1957- --Airborne Operations

World War I--Airborne Operations  
World War II--Airborne Operations

- The Airborne Division (82d) in the '70's. LtCol Robert M. Elton. illus Army 22:16-20 Sep '72



AIRBORNE OPERATIONS - Continued

- The future of Airborne. LtCol Thomas E. Parsons. illus chart Infantry 62:6-8 Nov-Dec '72
- Planning large-scale combined airmobile operations. Maj Michael J. Morin. illus Infantry 62:19-23 Nov-Dec '72
- Prime tactical lessons of the Vietnam War--three innovations. LtCol John R. Galvin. illus Army 22:16-20 Mar '72
- The Soviet desant concept. C. L. Donnelly. (Reprinted from Royal United Services Institute for Defence Studies Journal, Sep 1971) illus Intl Def Rev 4:544-546 Dec '71

AIRBORNE WARNING AND CONTROL SYSTEMS

- AWACS slated for testing. illus AF Times 32:24 Feb 16 '72
- AWACS takes off. J. Phillip Geddes. illus (Also cutaway) Interavia 27:392-393 Apr '72
- AWACS to bridge the technological gap. Capt Harry A. Pearce. illus AU Rev 23:55-61 May-Jun '72
- Development flexibility and cost discipline. Robert C. Seamans, Jr. illus tabs AF Mag 55:46-49 May '72
- Facts about AWACS. AF Ploy Ltr for Comdrs: Sup No. 10:17-20 Oct '72
- (New electronic system called Interrogator Processor Sets--IPS) Signal 27:74 Oct '72
- The triad...plus 'one.' Col Sheldon I. Godkin. illus AF Mag 55:48-53 Nov '72
- 2 light fighter designs to get test. AF Times 32:22 May 3 '72

AIRBUS see Airplanes, Transport (Jet)AIRCRAFT see specific kinds of aircraft, e.g.,

Airplanes	Helicopters, Military
Airplanes, Military	Missiles
Helicopters	Rockets

AIRCRAFT, EXPERIMENTALSee alsoAir Cushion Vehicles

- Improving the helicopter--what next? illus Interavia 27:1121-1123 Oct '72

Great Britain

- Armstrong-Whitworth Apollo. Elfan ap Rees. illus tab Air Pict 34:395 Oct '72
- Avro (Type) 627 mailplane. Elfan ap Rees. illus Air Pict 33:465 Dec '71
- Comet trio. J. D. R. Rawlings. illus Air Pict 34:207 Jun '72
- Hawker Hunter T.66A. Elfan ap Rees. illus tab Air Pict 34:108 Mar '72
- Heston Aircraft. Peter Lewis. illus tab Air Pict 34:440-445 Nov '72

United States

- The A-9A--Northrop's AX entry. J. Philip Geddes. illus Interavia 27:866-868 Aug '72
- ACV (Air Cushion Vehicle) model experiments. Karl L. Kirkman. illus Mil Engr 64:413-415 Nov-Dec '72
- The A-X. LtCol William D. Neal, Jr. illus tab TAC Attack 12:16-18 Jul '72
- The AXs are here. illus Interavia 27:581 Jun '72

AIRCRAFT, EXPERIMENTAL - ContinuedUnited States - Cont'd

- AXs complete flight tests. AF Times 33:8 Dec 27 '72
- CAS: The hardware and the mission. Claude Witze. illus AF Mag 55:17-18+ May '72
- Competitive prototyping--a development strategy. Col Delbert H. Strube. illus AU Rev 23:2-11 May-Jun '72
- Development flexibility and cost discipline. Robert C. Seamans, Jr. illus tabs AF Mag 55:46-49 May '72
- 8 prototypes accelerated. AF Times 32:21 Jan 26 '72
- Flyoff to test 2 fighters in A-X race. illus AF Times 32:5 Apr 26 '72
- Lightweight fighter prototype RFPs (Requests For Proposals) out. Armed Forces J 109:19 Feb '72
- The Northrop A-9A close support aircraft. illus Intl Def Rev pt 1, Northrop's A-9A contender. 5:370-371 Aug '72
- 27 years after V-J Day, Howard Hughes is still under contract to fly his "Spruce Goose"--but it may end up as a \$75-million taco stand. Benjamin F. Schemmer. illus tab Armed Forces J 110:50-54+ Nov '72
- The vectored thrust platform (light aerial transporter). Richard E. Gile. illus Infantry 62:36-38 Jan-Feb '72

AIRCRAFT, REMOTELY PILOTED see Remotely Piloted VehiclesAIRCRAFT CARRIERS

- The "CV": Capable vigilance or continued vulnerability? LT James T. Coogan, Jr. illus US Nav Inst Proc 98:117-119 Mar '72

- Castration rounds and tattletale ships--big Russian cruisers beefing up carriers. William Beecher. illus Sea Power 15:18-22 May '72

- Conventional versus nuclear power for CVA-67: A study of Defense management. Allan A. Spitz. illus Nav War Col Rev 24:3-14 Apr '72

- A flexible ship and a more responsive Navy. F. W. S. Locke, Jr and Virginia Withington. illus tab Nav War Col Rev 25:54-70 Sep-Oct '72

- 'Look ma, no hands!' (Automatic Carrier Landing System (ACLS) use in VF-213 and VF-114) LTs John C. Porter and N. R. Criss II. illus Approach 18:26-29 Jul '72

- Midway to Tonkin: A generation of carriers. George M. Hall. illus Sea Power 15:14-19 Jun '72

- Prediction of pilot performance during initial carrier landing qualification. C. A. Bricton and others. illus tabs Aerosp Med 43:483-487 May '72

- The role of the carrier in the control of the seas. CAPT Stephen T. De La Mater. illus tab US Nav Inst Proc 98:110-125 May '72

- The small economy size--surface effect mini-carrier. Larry Booda. illus Sea Power 15:17-21 Jan '72

- Up, up, and away ... backwards. (Ship-towed glider experiments to investigate air wake behind aircraft carriers) LtComdr J. S. Sproule, Ret. illus US Nav Inst Proc 98:56-62 Jul '72

- Where does the Navy go from here? Arnold M. Kuzmack. illus tabs Mil Rev 52:37-51 Feb '72

AIRCRAFT CARRIERS - ContinuedHistory

(H. M. S.) "Eagle" and her brood--a look at the lives of the ship and her squadrons. illus Air Pict 34:40-42 Feb '72

AIRCRAFT CARRIERS, NUCLEAR POWERED

The new CVN: An all-purpose carrier. Lawrence Griswold. Armed Forces J 109:46-47 Feb '72

New carrier concepts and the CVN-70. Norman Polmar. illus tab Sea Power 15:6-12 Mar '72

The nuclear carrier and modern war. (Prize Essay, 1972, 1st Honorable Mention) CAPT Paul Schratz, Ret. illus US Nav Inst Proc 98:18-25 Aug '72

AIRCRAFT CONTROLLERS see Air Traffic ControllersAIRCRAFT INDUSTRY AND TRADESee also

Aerospace Industry and Trade  
Helicopter Industry and Trade  
Missile Industry and Trade

Foreign governments aid civil aviation industries. illus Govt Exec 4:42-43 Jun '72

Jane's aerospace review 71/72. John W. R. Taylor. illus AF Mag 55:24-33 Jan '72

Politics take precedence--reflections on Hanover (Air Show) 1972. Michael Brown. illus Interavia 27:596-599 Jun '72

(U.S. aerospace industry--overbuilt, overmanned, and overmanaged) (From address, Aviation/Space Writers Assoc, New York, May 25, 1972) LtGen Otto J. Glasser. AF Mag 55:25 Jul '72

Economic Aspects

American aviation at a crossroads. Benjamin F. Schemmer. illus tab Armed Forces J 110:24-25+ Nov '72

Development cost and profit (in the aircraft industry). Rolf H. Wild. illus tabs Interavia 27:198-199 Mar '72

R&D costs: The plight of future flight. James J. Haggerty. Govt Exec 4:39+ Sep '72

International Aspects

A. 300B Airbus--a European aircraft challenges a difficult market. tabs illus (Also cutaways) Interavia 27:334-341 Apr '72

The A. 300B Airbus--combining European experience. illus Interavia 27:65-66+ Jan '72

American aviation at a crossroads. Benjamin F. Schemmer. illus tab Armed Forces J 110:24-25+ Nov '72

The British air industry at Farnborough. Arthur Reed. illus NATO's Fifteen Nations 17:50-59 Aug-Sep '72

Cessna and Reims Aviation: Bigger sales push in 1972. Martin Deskau. illus tabs Interavia 27:150-152 Feb '72

Concorde shows its paces. illus tabs map Interavia 27:225-227 Mar '72

Concorde's automatic flight control system. illus Interavia 27:126-127 Feb '72

Filling the Airbus gap. Stefan Geisenheyner. illus Aerosp Intl 8:54-57 May-Jun '72

Financing (Concorde) development and sales. Interavia 27:827 Aug '72

AIRCRAFT INDUSTRY AND TRADE - ContinuedInternational Aspects - Cont'd

Foreign aircraft at Farnborough. Gordon Swanborough. illus NATO's Fifteen Nations 17:61-67 Aug-Sep '72

The Franco-German Alpha Jet--a status report. illus Intl Def Rev 5:372 Aug '72

Germany's aircraft industry. James Hay Stevens. illus Air Pict 34:134-138 Apr '72

'How much does the ticket cost?' Knut Hagrup. illus Armed Forces J 110:26-27 Nov '72

The Italian aerospace industry takes stock (for Turin 5th International Aerospace Show, June 1-11, 1972). illus Interavia 27:605-607 Jun '72

MRCA--the future system of military procurement. A. H. C. Greenwood. illus RUSI J for Def Studies 117:3+ Sep '72

Mercure--a product of international cooperation. illus tabs Interavia 27:465-469 May '72

Mercure status briefing. R. Salvy. illus Interavia 27:78 Jan '72

Multi-role or single purpose? A problem in procurement. W. T. Gunston. illus RUSI J for Def Studies 117:33-37 Mar '72

Panavia 200 becoming reality. illus Interavia 27:342-343 Apr '72

Politics take precedence--reflections on Hanover (Air Show) 1972. Michael Brown. illus Interavia 27:596-599 Jun '72

Postscript to April's Airbus feature. illus Interavia 27:768 Jul '72

Progress with Jaguar. R. Salvy. illus tabs Intl Def Rev 5:146-148 Apr '72

The SBAC show goes multilingual (Farnborough-Europe 72). John Brindley and Michael Brown. illus tab Interavia 27:1084-1087 Oct '72

Two new Canberra variants. illus tab Air Pict 33:467 Dec '71

The United Kingdom and Europe--the effect of EEC entry on the aerospace industry. illus tabs Interavia 27:941-943 Sep '72

VFW 614--a contender for the commuter aircraft market. Stefan Geisenheyner. illus Aerosp Intl 8:46-50+ May-Jun '72

Who is going to buy an SST? illus maps tabs Interavia 27:825-826 Aug '72

Canada

Retrenchment at Canadair. Interavia 27:22-23 Jan '72

China (People's Republic)

Communist China's Air Force. Niu Sien-Chong. NATO's Fifteen Nations 17:70-72+ Aug-Sep '72

Czechoslovakia

Brno: The Czechoslovakian shop window. (Report on 14th International Industrial Exhibition, Sep 1972) Ulrich V. Nagel. tab illus Interavia 27:1260-1261 Nov '72

Europe, Western

A. 300B Airbus--a European aircraft challenges a difficult market. tabs illus (Also cutaways) Interavia 27:334-341 Apr '72

The case for collaboration--British avionics looks at Europe. Interavia 27:957-958 Sep '72



AIRCRAFT INDUSTRY AND TRADE - ContinuedEurope, Western - Cont'd

Common Market aviation policy--are the motives correct? Interavia 27:1173 Nov '72

Foreign aircraft at Farnborough. Gordon Swanborough. illus NATO's Fifteen Nations 17:61-67 Aug-Sep '72

Mercure--a product of international cooperation. illus tabs Interavia 27:465-469 May '72

Mercure status briefing. R. Salvy. illus Interavia 27:78 Jan '72

Postscript to April's Airbus feature. illus Interavia 27:768 Jul '72

France

Aerospatiale Corvette. James Hay Stevens. illus tab Air Pict 34:26-28 Jan '72

Another thoroughbred from Dassault--Falcon 10 flight report. D.H. Chopping. tabs illus (Also cutaways) Interavia 27:147-149 Feb '72

Dassault Mirage F-1. James Hay Stevens. illus tabs Air Pict 34:212-215 Jun '72

The French aviation equipment industry: Some of the major companies. illus Interavia 27:752-755 Jul '72

The French industry's performance. illus tab Interavia 27:751 Jul '72

French industry's stake in the avionics equipment field. Jean-Michel Treille. illus tabs Interavia 27:749-750 Jul '72

Mercure--a product on international cooperation. illus tabs Interavia 27:465-469 May '72

Mercure status briefing. R. Salvy. illus Interavia 27:78 Jan '72

Weapons systems development--how do other nations control costs in developing weapons systems? (Based on statements of Robert Perry and Arthur J. Alexander before the Senate Armed Services Committee, Dec 7, 1971) Thomas A. Johnson. Army Log 4:12-14 Nov-Dec '72

Germany (Federal Republic)

Germany's aircraft industry. James Hay Stevens. illus Air Pict 34:134-138 Apr '72

Great Britain

Britain needs 175 HS.1182s. illus Interavia 27:595 Jun '72

Britain's aircraft industry. illus Air Pict 34:330-335+ Sep '72

The British air industry at Farnborough. Arthur Reed. illus NATO's Fifteen Nations 17:50-59 Aug-Sep '72

British (aircraft) industry crisis. illus Interavia 27:690-691 Jul '72

The case for collaboration--British avionics looks at Europe. Interavia 27:957-958 Sep '72

Defence procurement--a heretical view? Ian Bellany. RUSI J for Def Studies 117:37-39 Mar '72

Handley Page Victor. Elfan ap Rees. illus Air Pict pt 1, 34:162-167 May '72; pt 2, 34:220-226 Jun '72

T.K. series: Designs of the de Havilland Aeronautical Technical School. Peter Lewis. tab illus Air Pict 34:187-191 May '72

Two new Canberra variants. illus tab Air Pict 33:467 Dec '71

AIRCRAFT INDUSTRY AND TRADE - ContinuedGreat Britain - Cont'd

The United Kingdom and Europe--the effect of EEC entry on the aerospace industry. illus tabs Interavia 27:941-943 Sep '72

History

Avro (Type) 627 mailplane. Elfan ap Rees. illus Air Pict 33:465 Dec '71

Heston Aircraft. Peter Lewis. illus tab Air Pict 34:440-445 Nov '72

India

Indian aerospace--closing the technology gap. B. J. G. Davidson. illus Interavia 27:1237-1239 Nov '72

Italy

Challenge from the south--reflections on the Italian (aircraft) industry. illus Interavia 27:856-857 Aug '72

The Italian aerospace industry takes stock (for Turin 5th International Aerospace Show, June 1-11, 1972). illus Interavia 27:605-607 Jun '72

Italy pushes collaboration at Turin (5th International Aerospace Show, June 1972). M. Grangier. illus Interavia 27:853-855 Aug '72

Russia

Aviaexport pushes into the world market. tab illus (Also cutaways) Interavia 27:154-157 Feb '72

Over all continents--Soviet winged craft and helicopters. Maj V. Zhigarev. illus Soviet Mil Rev No.1:24-27 Jan '72

Soviet civil gas turbine engines. tabs illus (Also cutaway) Interavia 27:158-161 Feb '72

Weapons systems development--how do other nations control costs in developing weapons systems? (Based on statements of Robert Perry and Arthur J. Alexander before the Senate Armed Services Committee, Dec 7, 1971) Thomas A. Johnson. Army Log 4:12-14 Nov-Dec '72

Switzerland

The Swiss aerospace industry--a neglected child. Felix Müller. illus Interavia 27:709-712 Jul '72

United States

The A-9A--Northrop's AX entry. J. Philip Geddes. illus Interavia 27:866-868 Aug '72

Air industry, users in tailspin. AF Times 32:15 Jan 12 '72

American aviation at a crossroads. Benjamin F. Schemmer. illus tab Armed Forces J 110:24-25+ Nov '72

American light aircraft deliveries. Table only. Interavia 27:658-659 Jun '72

Boeing, McDonnell Douglas win AMST design contracts. illus AF Times 33:6 Nov 29 '72

Boeing's medium-haul challenger--the advanced 727-200. illus Interavia 27:347-348 Apr '72

Building aerospace turbines in Phoenix. J. Philip Geddes. tab illus (Also cutaway) Interavia 27:1218-1220 Nov '72

8 prototypes accelerated. AF Times 32:21 Jan 26 '72

General Dynamics and Northrop to build lightweight fighter prototypes. illus tab Interavia 27:693 Jul '72



AIRCRAFT INDUSTRY AND TRADE - ContinuedUnited States - Cont'd

- 'How much does the ticket cost?' Knut Hagrup. illus Armed Forces J 110:26-27 Nov '72
- Lockheed L-1011 TriStar. illus tab Interavia 27:1142-1143 Oct '72
- 1973--the year of the business jet--a report on the NBAA (National Business Aircraft Assoc) show. J. Philip Geddes. illus Interavia 27:1257-1259 Nov '72
- R&D costs: The plight of future flight. James J. Hagerty. Govt Exec 4:39+ Sep '72
- Something old and something new. (AFA's 1972 aerospace development briefings) (AFA Convention, Washington, Sep 17-21, 1972) Claude Witze. illus AF Mag 55:72-75 Nov '72
- (U.S. aerospace industry--overbuilt, overmanned, and overmanaged) (From address, Aviation/Space Writers Assoc, New York, May 25, 1972) LtGen Otto J. Glasser. AF Mag 55:25 Jul '72

History

- The American Bristol Fighter program, WW I. Jack Bruce and others. illus Am Avn Hist Soc J 17: 85-89 Summer '72

Statistics

- Facts and figures for reflection. Interavia 27:107 Feb '72

AIRCRAFT MAINTENANCESee also

Missile Maintenance

also subdivision Maintenance and Repair under specific subjects

- A-7--APN-190 antenna and radome handling. P.E. Miller. illus Aerosp Safety 28:10-11 Sep-Oct '72
- Aircraft maintenance scheduled requirements. TIG Brief 24:14 May 19 '72
- Another Monday morning. (Crew chiefs, SSgt Al Mills and Sgt Charles J. Smoak, at U-Tapeo Airfield, Thailand) Sgt Dave Cole. illus Airman 16:44-47 Sep '72
- Army Aircraft Mobile Technical Assistance Program (AAMTAP). Leonard E. Clay. USA Avn Dig 18: 16-17 Nov '72
- The big picture. Maj Charlie Brown. illus MAC Flyer 19:16-19 Oct '72
- Cannibalization. (Removing a part from a downed aircraft and installing it on another aircraft to return it to a flyable status) Capt F. Kevin Shea. illus USA Avn Dig 18:2-4 Nov '72
- Composite tool kit. (Reprinted from Aircoop, June 1972) illus Interceptor 14:26-28 Oct '72
- Computer assisted maintenance management. Maj Harold L. Jones. illus tabs USA Avn Dig 18:26-29 Jan '72
- Deadly FOD. illus Aerosp Safety 28:6-7 Aug '72
- Egress system maintenance. TIG Brief 24:3 Jan 28 '72
- Engine maintenance runs. TIG Brief 24:19-20 Mar 10 '72
- An era of change in aircraft maintenance. Emmerich L. Takacs. illus Interavia 27:1246-1247 Nov '72
- Fantasy to fact. (Army automatic aircraft inspection system) Lamoine A. Plog and Kenneth D. Kasai. illus Army Log 4:14-17 Mar-Apr '72

AIRCRAFT MAINTENANCE - Continued

- Fire in flight. illus Approach 18:1-2 Jul '72; TAC Attack 12:4-6 Oct '72
- The Fix It Fast Express (FIFE). Capt Brian T. Ter-namian. illus Airman 16:42-45 Nov '72
- Flight controls. Vernet V. Poupitch. tab Aerosp Safety 28:12-13 Jan '72
- IRAN (Inspection and Repair As Necessary) versus IRAP (Inspection and Repair As Programmed). George E. Kammerer. Aerosp Safety 28:16-17 Jun '72
- In the winter of '70. (Servicing F-4's for 43d TFS at Elmendorf AFB, Alas) Sgt Dave Cole. illus Airman 16:20-22 Apr '72
- Installation and removal of nonmunitions items (in Project Rivet Rally). TIG Brief 24:19-20 Aug 18 '72
- Is the aircraft really ready for flight? LCDR J.F. Hill. (Adapted from Approach, May 1969) illus Approach 17:1-4 Feb '72; Aerosp Safety 28:18-20 Nov '72
- Is the crew chief dead? illus TAC Attack 12:13-14 Jun '72
- 'Is this the party to whom I am speaking?' (Complacency) illus Approach 18:8-10 Jul '72
- Is your aircraft mission ready? Capt Edwin M. Sava-cool. illus USA Avn Dig 18:12-13 Oct '72
- Jacking, leveling and weighing the A-7. D.H. Brazelton. illus Aerosp Safety 28:18-19 Jul '72
- Job Control--maintenance nerve center. CMSgt Jackie L. Smart. illus Aerosp Safety 28:30-31 Feb '72
- Maintainability--an effective engineering discipline. H.M. Sohn. illus Log Spectrum 6:11-17 Spring '72
- The maintenance evaluation program may solve your problem. TIG Brief 24:7 Sep 1 '72
- Maintenance matters. Regular feature in some issues of United States Army Aviation Digest
- Maintenance of aircraft control system. LtCol V. Filimonov. illus Soviet Mil Rev No. 2:34-35 Feb '72
- Marine aircraft maintenance. LtCol Willis E. Wilson illus MarCor Gaz 56:28-32 Jan '72
- Multiple malfunctions. Aerosp Safety 28:18-19 Aug '72
- NARF (Naval Air Rework Facility)--plugging in the library. illus Govt Exec 4:20 Mar '72
- NDI (NonDestructive Inspection)-FOD--weapon in foreign object control. LtCol Arthur W. Day. illus Aerosp Safety 28:24-26 Aug '72
- New look in aircraft maintenance management. Capt William B. James. TAC Attack 12:28-29 Mar '72
- New tech data for Phantom fixers. illus Aerosp Safety 28:14-16 Apr '72
- Operation IRAN (Inspect and Repair As Necessary). illus Interceptor 14:20-25 Feb '72
- Progress made by DOD spares aircraft engine requirements study group. TIG Brief 24:18 Mar 10 '72
- Protection of USAF resources. TIG Brief 24:1 Sep 29 '72
- The "show" goes on. (Importance of the Aerospace Ground Equipment section at Elmendorf AFB, Alas) Sgt Steve Gordenier. illus Airman 16:10-11 Dec '72

AIRCRAFT MAINTENANCE - Continued

Tech topics--briefs for maintenance techs. Regular feature in issues of Aerospace Safety

USAF RAM (Rapid Area Maintenance) team. Capt Larry M. Schoenhals. illus Review 51:42-43+ Mar-Apr '72

Williams (AFB, Ariz test) pilots look for leaks. AF Times 33:36 Oct 4 '72

Winter wisdom. illus Aerosp Safety 28:2-4 Nov '72

Write it right! illus Approach 17:26-28 Jun '72

Costs

How the Navy saves dollars with sense. Maj Ethmer W. King. illus US Nav Inst Proc 98:105-109 Dec '72

Nails for sale. (Results of innocent padding of flight time) LtCol Donald R. Jordan. illus tabs USA Avn Dig 18:32-35 Aug '72

Study and Teaching

Maintenance training goes self-pace. Capt Norman J. Otto. illus USA Avn Dig 18:32-35 Jun '72

AIRCRAFT MECHANICS see Ground CrewsAIRDROP

AWADS (Adverse Weather Aerial Delivery System). Maj James Alexander. illus USAF TAWC Rev 3:10-14 Apr '72

Aerial resupply for Khe Sanh. Maj Claudius E. Watts III. map illus Mil Rev 52:79-88 Dec '72

Airdrop at An Loc. John L. Frisbee. illus tab AF Mag 55:40-42 Nov '72

Airlift to Kut (al Amara, Mesopotamia). Col A. P. Sights, Jr, Ret. illus map US Nav Inst Proc 98:50-59 Jan '72

One-minute CARP (Computed Air Release Point). Capt Gerald M. Davis. illus Navigator 19, No. 1: 12-16 '72

VADS (Visual Aerial Delivery Sight). Maj James C. Bobick. illus USAF TAWC Qtr Rpt 3:10-13+ Jan '72

Statistics

Airdrop at An Loc. John L. Frisbee. illus tab AF Mag 55:40-42 Nov '72

AIRLIFTSee also

Berlin Airlift

Mercy Missions

Vietnamese Conflict, 1957- --Airlift Operations

ANG Creek Guardlift (for military travelers in Europe). illus map Air Reservist 24:8-9 Feb '72

Airlift--a balanced view. LtCol Horace E. Wood, Jr. illus AU Rev 23:62-71 May-Jun '72

Airlift to Kut (al Amara, Mesopotamia). Col A. P. Sights, Jr, Ret. illus map US Nav Inst Proc 98:50-59 Jan '72

'Brave Shield' under way. AF Times 33:63 Dec 13 '72

The C-5's strategic airlift capability. (Remarks, Aviation/Space Writers Assoc, New York, May 25, 1972) Gen Jack J. Catton. AF Plcy Ltr for Comdrs: Sup No. 9:9-13 Sep '72

(Exercise) Gallant Hand 72. James E. Elsener. illus Army 22:30-33 May '72

AIRLIFT - Continued

Journey to the ice. Robert P. Everett. illus Airman 16:24-28 Mar '72

Kidney airlift sets 'first.' illus AF Times 32:38 Apr 12 '72

Lockheed's Hercules--the goodwill aircraft. illus Interavia 27:647-649 Jun '72

MAC airlifting missions surge. AF Times 33:62 Aug 9 '72

MAC keeps 'private air line,' tab Armed Forces J 109:10-11 May '72

MAC transportation procurement policies. MajGen Ray M. Cole. illus Def Trans J 28:28-32 Jan-Feb '72

'73 airlift contracts total \$131 million. AF Times 32:10 May 24 '72

Relief flights follow floods. AF Times 32:44 Jul 12 '72

Sealift goes mufti as airlift builds in-house capability. James D. Hessman. Armed Forces J 109:42 Mar '72

The Stalingrad airlift: An eyewitness commentary (on "Stalingrad and Dien Bien Phu," by Donald R. Backlund, Aerosp Hist, Summer-Fall 1970). Wolfgang Pickert. Aerosp Hist 18:183-185 Dec '71

TAC carries goods to Bolivian frontiers. AF Times 32:24 Apr 12 '72

VADS (Visual Aerial Delivery Sight). Maj James C. Bobick. illus USAF TAWC Qtr Rpt 3:10-13+ Jan '72

Study and Teaching

The Airlift Instructor School. illus TAC Attack 12: 27-29 Nov '72

AIRLIFT UNITS

Andrews (AFB, Md), Grissom (AFB, Ind) win 'Comfort Silver.' illus AF Times 33:54 Oct 4 '72

Combat Airlift Competition, 1971. Maj Francis X. Defonce and Capt Clark J. Kholos. illus Navigator 19, No. 1:5-7 '72

Comfort Silver--Reserve airlift, gunnery meet. Maj Robert W. Hunter. illus AF Mag 55:88-89 Nov '72

Competitions--Comfort Silver, Combat Airlift, William Tell. illus Air Reservist 24:4-5 Nov '72

An exceptional unit: Charleston's 76th MASq (celebrates 20th anniversary). 1stLt Don Schaefer. illus MAC Flyer 19:16-18 Aug '72

Guard's airlift capability fading with mission changes. Natl Guardsman 26:16-17 Jan '72

Last TAS (310th TASq) inactivated after nine SEA years. AF Times 33:16 Nov 22 '72

AIRLINESSee also

Aviation, Commercial

IATA's 28th Annual General Meeting (London, Sep 25-27, 1972)--the message was "adapt or die." Max Nibloe. illus Interavia 27:1192-1193 Nov '72

Directories

Pillars of world air transport. (Member airlines of the International Air Transport Association) Tables only. Interavia 27:978-987 Sep '72

AIRLINES - ContinuedFares

- Air fares stay low: Three groups to promote round-trip 'tours'; Pentagon rec club plans charter service. AF Times 33:51 Oct 4 '72
- Airline asks to kill rule on uniforms. AF Times 32:3 Mar 22 '72
- Airline limits noted. AF Times 33:2 Dec 20 '72
- Bargain Europe fare planned by Pan Am(erician World Airways). AF Times 32:4 Jan 5 '72
- Bargain flights include 3 types. AF Times 33:42 Dec 6 '72
- CAB wins on charter flights; rule modifications expected. Armed Forces J 109:11-12 Apr '72
- Charter companies announce new flights. AF Times 33:21 Oct 11 '72
- Charter deadline nearing--many lose eligibility. AF Times 33:21 Aug 30 '72
- Charters proliferate following CAB ruling. Sue Toma. AF Times 33:2 Nov 8 '72
- House panel approves plan to kill transatlantic flights. AF Times 32:1+ Feb 16 '72
- IATA fiddles while the problems burn--the 27th Annual G(eneral) M(eeting). illus Interavia 27:82-83 Jan '72
- Leave-fare plan working, but... AF Times 33:6 Oct 18 '72
- Leave travel rules standardization. TIG Brief 24:21 Oct 27 '72
- A new fare deal. Interavia 27:197 Mar '72
- Pacific fares dip for military, kin. AF Times 32:4 Jan 26 '72
- Pan Am cuts fares to 15 o' sea cities. AF Times 32:3 Mar 8 '72
- 'Rate war' alleged by 5 airlines. AF Times 32:18 Feb 9 '72
- Serving the military traveler (MTMTS). Maj George E. Tilden. Translog 3:10+ Dec '71-Jan '72
- Several bargain flights from Europe to U.S. set. AF Times 33:6 Nov 15 '72

Nonscheduled Operations

- Air charter cuts hit by two groups (Reserve Officers Association and Retired Officers Association). AF Times 32:2 Jun 21 '72
- Air fares stay low: Three groups to promote round-trip 'tours'; Pentagon rec club plans charter service. AF Times 33:51 Oct 4 '72
- Bargain flights include 3 types. AF Times 33:42 Dec 6 '72
- CAB wins on charter flights; rule modifications expected. Armed Forces J 109:11-12 Apr '72
- Charter companies announce new flights. AF Times 33:21 Oct 11 '72
- Charter deadline nearing--many lose eligibility. AF Times 33:21 Aug 30 '72
- Charter expands. Bob Horowitz. AF Times 32:1+ Mar 15 '72
- Charters proliferate following CAB ruling. Sue Toma. AF Times 33:2 Nov 8 '72
- House panel approves plan to kill transatlantic flights. AF Times 32:1+ Feb 16 '72

AIRLINES - ContinuedNonscheduled Operations - Cont'd

- IATA fiddles while the problems burn--the 27th Annual G(eneral) M(eeting). illus Interavia 27:82-83 Jan '72
- Many lose cut-rate air fares. AF Times 32:1+ Jun 14 '72
- Non-scheduled air transport (accelerated) in 1971. Interavia 27:923 Sep '72
- Price panel hears arguments on charter flight restrictions. James D. Hessman. Armed Forces J 109:10+ Jan '72
- 'Rate war' alleged by 5 airlines. AF Times 32:18 Feb 9 '72
- Retirees bumped from air charters. Armed Forces J 109:10+ Jul '72
- Several bargain flights from Europe to U.S. set. AF Times 33:6 Nov 15 '72
- Why is a good CAB hard to find when you need a charter flight? Margaret Eastman. AF Times, Family sup:4+ Dec 20 '72

Passenger Service

- Improving load factor control. Jacques Monbeig and André Sykens. illus Interavia 27:1205-1207 Nov '72
- The use of computers in command, control and information systems. Comdr Alan Sugden. Army Qtr 102:463-467 Jul '72

Statistics

- 1971 scheduled traffic of LATA airlines. Tables only. Interavia 27:932 Sep '72

Africa

- East African Airways. M.A. Ward. illus tab map Air Pict pt 1, 33:416-420 Nov '71; pt 2, 33: 458-461 Dec '71

Bulgaria

- The Bulgarian scene. Paul R. Duffy. illus Air Pict 34:80-82 Mar '72

CanadaHistory

- CP Air (Canadian Pacific). Michael J. Hooks. illus tab Air Pict pt 1, 34:244-248 Jul '72; pt 2, 34: 304-307+ Aug '72

China (People's Republic)

- Peking reaches for the sky. Gene Gregory. illus Interavia 27:765-766 Jul '72

Europe, Western

- European air taxi operations. Clinton Sessoms. illus tab Interavia 27:1089-1091 Oct '72
- European air transport problems. Hans Suessenguth. illus Def Trans J 28:34-38 May-Jun '72

France

- Air Inter and Air France--crew training for automatic flight. illus tab Interavia 27:63-64 Jan '72

Germany (Federal Republic)

- Lufthansa cargo--enter the jumbo (Boeing 747F). Klaus Hühle. illus Interavia 27:230-231 Mar '72
- Lufthansa's Boeing 747F operation. Interavia 27:657 Jun '72



AIR LINES - ContinuedGreat Britain

Automatic flight: BEA's low visibility programme. illus Interavia 27:123-125 Feb '72

Cambrian (Airways). P. R. March and A. J. Wright. illus tab Air Pict 34:100-104 Mar '72

Monarch Airlines. Alan W. Hall. tab illus Air Pict 34:184-186 May '72

A new look for British airlines. chart illus Interavia 27:964+ Sep '72

Hawaii

Hawaiian Airlines--island-hoppers incorporated. J. Philip Geddes. illus map Interavia 27:864-865 Aug '72

India

Air-India: Keeping abreast of the rest. B. J. G. Davidson. illus tab Interavia 27:1240-1241 Nov '72

Russia

See Aeroflot

South Africa

South African Airways--Africa's largest air carrier. Al J. Venter. illus tabs map Interavia 27:1099-1101 Oct '72

Sweden

Linjeflyg (Aktiebolage) looks up. Roy Allen. illus Air Pict 34:403-404 Oct '72

Switzerland

The Swiss air transportation scene. John F. Brindley. illus tabs Interavia 27:716-718 Jul '72

United States

Air industry, users in tailspin. AF Times 32:15 Jan 12 '72

Airline asks to kill rule on uniforms. AF Times 32:3 Mar 22 '72

Bargain Europe fare planned by Pan Am (erican World Airways). AF Times 32:4 Jan 5 '72

Hawaiian Airlines--island-hoppers incorporated. J. Philip Geddes. illus map Interavia 27:864-865 Aug '72

Lines lose bid to get larger slice of cargo. AF Times 32:4 Apr 12 '72

MAC keeps 'private air line.' tab Armed Forces J 109:10-11 May '72

MAC transportation procurement policies. MajGen Ray M. Cole. illus Def Trans J 28:28-32 Jan-Feb '72

Only AF, NASA lean to STOLs. AF Times 33:59 Dec 6 '72

Pan Am cuts fares to 15 o' sea cities. AF Times 32:3 Mar 8 '72

The people people. (Interview with Col Joe O. Bellino) Pat Thomasson. illus Translog 3:2-6 Feb '72

'Rate war' alleged by 5 airlines. AF Times 32:18 Feb 9 '72

'Two-man concept'--block to hijackings? Bruce Callander. AF Times 32:13 Mar 29 '72

Statistics

Two years of 747 service. J. Philip Geddes. illus tab Interavia 27:455-456 May '72

AIR LINES - ContinuedWales

Cambrian (Airways). P. R. March and A. J. Wright. illus tab Air Pict 34:100-104 Mar '72

AIR LINES, LOCAL SERVICESee also

Helicopters, Local Service

CAB on getting off the ground. (Scheduled air service to small communities) Govt Exec 4:13 Aug '72

The defenders. Rolf H. Wild. illus Interavia 27:521 May '72

European air taxi operations. Clinton Sessoms. illus tab Interavia 27:1089-1091 Oct '72

Over or under the water? A place for both V/STOL and rail. K. W. Clark. illus Interavia 27:1010-1012 Sep '72

AIRMAN EDUCATION AND COMMISSIONING PROGRAM

AFRes tightens criteria for bars (through the Deserving Airman Commissioning program by adding ECI Reserve Officer Preparatory Course). AF Times 33:47 Sep 6 '72

Commission road widens. George Foster. AF Times 32:3 Apr 5 '72

Your road to success. (Airman and NCO commissioning programs) Maj Harvey Angel. Airman 16:35 Apr '72

AIRMAN PERFORMANCE REPORTS

APR point value studied as factor in promotion. AF Times 32:10 Jun 28 '72

Job performance research slated. AF Times 32:17 Feb 23 '72

Late APRs cost airmen. AF Times 32:17 Jan 12 '72

Manual on APRs (AFM 39-62) includes changes; overhaul coming. AF Times 32:17 Mar 22 '72

Noncommissioned officer and airman performance reports. TIG Brief 24:12 Aug 18 '72

Super pay bars relaxed--E-3s affected. AF Times 33:8 Dec 13 '72

(WAPS) hike scores can only rise under new plan, AF says. AF Times 33:44 Sep 27 '72

WAPS scores change subtly. AF Times 33:4 Sep 6 '72

AIRMEN

Airmen in ConUS kick off new job exchange plan. AF Times 32:4 Jan 26 '72

BSA test slated for Shaw (AFB, SC) airmen. AF Times 32:4 May 3 '72

Break in service to cost stripes. AF Times 33:6 Oct 25 '72

'Cautious optimism' about the volunteer force. Interview. BrigGen Conrad S. Allman. illus AF Mag 55:56-59 Aug '72

A Community College for the Air Force. Interview. LtGen George B. Simler. illus AF Mag 55:65-68 Mar '72

Computer snubs volunteers (for overseas assignments). AF Times 32:8 Mar 1 '72

Cut set in 607 EM flight slots--loadmasters, engineers affected. AF Times 32:21 Apr 5 '72

AIRMEN - Continued

DOD retards stripes pace. Bruce Callander. AF Times 32:1+ Feb 2 '72

Departure of airmen spurred. AF Times 32:3 Apr 12 '72

EM early outs rank low as option in cutbacks. Bruce Callander. AF Times 33:1+ Nov 1 '72

EM job exchange set. Bruce Callander. AF Times 32:1+ Jan 19 '72

Early-out carries some peril for EM. AF Times 33:2 Dec 20 '72

18,000 EM get early-out offer--first-term men in U.S. eligible. Bruce Callander. AF Times 33:1+ Dec 13 '72

Enlisted strength to drop in 1973. Bruce Callander. AF Times 32:1+ Feb 9 '72

Expectant dad rule extends EM o'seas. AF Times 32:6 May 31 '72

Hike view good for EM in '73. Bruce Callander. AF Times 32:1+ May 24 '72

Housing priorities shifted--lower EM get break. Bob Towle. tab AF Times 32:1+ Mar 8 '72

Medical deferral of WAPS testing. TIG Brief 24:6 Mar 10 '72

Mixup explained over outs program. AF Times 33:3 Dec 27 '72

More on early outs. AF Times 33:10 Dec 27 '72

NCO pace to pick up but wait for E-2, E-3 extended. AF Times 32:4 Mar 15 '72

97 airmen tapped for OTS as program starts slowly. AF Times 32:18 Jan 26 '72

101 (E-3's) to get pro pay. AF Times 32:10 May 10 '72

One-in-three first-termers stay aboard. AF Times 32:3 Feb 16 '72

PETS halted for two months. AF Times 32:1+ May 17 '72

Personnel chief champions additional benefits for EM. AF Times 32:3 Mar 15 '72

Promises, promises. (Two new enlistment programs (PROMIS (PROCurement Management Information System) and Guaranteed AFSC) MSgt Loren B. Leonberger. illus Airman 16:16-19 Aug '72

Quality rules hit EM hikes. Bruce Callander. AF Times 33:1+ Aug 9 '72

Rated-ROTC program studied for airmen. AF Times 33:4 Nov 22 '72

16 service clubs test 'now' lures. Sue Toma. AF Times 32:1+ Apr 26 '72

Slowdown shaped in EM hike pace. Bruce Callander. AF Times 32:1+ Feb 23 '72

Some EM hikes delayed. Bruce Callander. AF Times 32:1+ Apr 12 '72

Super pay list to name 65 now, 200 eventually. AF Times 32:6 Apr 26 '72

Survey shows Air Force members' views (on discipline, rules and regulations). AF Plcy Ltr for Comdrs: Sup No. 3:26-29 Mar '72

TIS (Time In Service): Long-range impact on hikes--low year of tenure added. Bruce Callander. AF Times 32:13 Mar 22 '72

2 new plans let EM leave early. Bruce Callander. AF Times 32:1+ Mar 15 '72

AIRMEN - Continued

Updated reg (AFR 39-29) adds new TIS (Time-In-Service) criteria. AF Times 33:20 Aug 9 '72

Word to flying airmen: Forget 'excusal' status. AF Times 32:2 Feb 9 '72

AIRMEN'S CLUBS see Servicemen's Clubs

AIRPLANE HIJACKING

F-111s help to foil hijacker (from McCarran International Airport, Las Vegas). AF Times 32:35 Feb 9 '72

Handling the hijacker. W.J. McArthur and others. illus tab Aerosp Med 43:1118-1121 Oct '72

Support of civil authorities in airplane hijacking emergencies. TIG Brief 24:11 Aug 18 '72

Prevention

Anti-hijacking efforts and cardiac pacemakers--report of a clinical study. Oliver C. Hood and others. illus Aerosp Med 43:314-322 Mar '72

'Detector' test a success--six bases to get devices. AF Times 32:37 Mar 29 '72

How to stop airplane hijackings. LtGen Ira C. Eaker, Ret. AF Times 32:13 Jun 14 '72

ICAO: Does its need continue? (Interview with Betty Crites Dillon) Charles D. LaFond. illus Govt Exec 4:63-66 Aug '72

MAC antihijacking program. TIG Brief 24:7 Apr 7 '72

Media given plea on (airline) piracy coverage. AF Times 32:22 May 24 '72

'Two-man concept'--block to hijackings? Bruce Callander. AF Times 32:13 Mar 29 '72

AIRPLANE TYPE

Only U.S. military airplanes are entered under type as given by the latest issue of the Department of Defense Model Designation of Military Aircraft, Rockets & Guided Missiles. For airplanes of other countries see entries under specific categories, e.g., Airplanes, Military--Great Britain.

A-4

Newest Skyhawk. (A-4N, latest and most sophisticated international version of Skyhawk II light attack aircraft) illus MarCor Gaz 56:4 Aug '72

A-6

All weather CAS (Close Air Support): Fact or fancy. Maj K. C. Bateman. illus MarCor Gaz 56:41-43 Jun '72

A-7

A-7--APN-190 antenna and radome handling. P. E. Miller. illus Aerosp Safety 28:10-11 Sep-Oct '72

A-7D Corsair II--that super-accurate SLUF (Short Little Ugly Feller). Capt Thomas G. Ryan. illus tab AF Mag 55:27-32 Mar '72

A-7D hydraulic failures deferred emergency? J. D. Eaton. illus TAC Attack 12:16-19 Aug '72

A-7D: Why ISO (ISOLated utility system)? J. D. Eaton. illus TAC Attack 12:10-11 Nov '72

Accidents at 150,000 cumulative flying hours. (Accidents, destroyed, fatal, 1st flight, 150,000 hours for A-7, F-4B, F-100, F-101, F-102, F-104, F-105, F-106, F-111) Table only. Armed Forces J 109:35 May '72

AIRPLANE TYPE - ContinuedA - 7 - Cont'd

Egress systems update (ESCAPAC 1C for) A-7D, RB-57F, B-57G. Robert H. Shannon. illus Aerosp Safety 28:2-3 May '72

Flying the A-7E Corsair. H. L. New. MarCor Gaz 56:68-70 Nov '72

Flying the SLUF blind. (TAC Test 71A-131F(A-7D Radar Nav/Bomb)) Maj G. I. Basel. illus USAF Ftr Wpns Rev, pp 4-7, Spring '72

Jacking, leveling and weighing the A-7. D. H. Brazelton. illus Aerosp Safety 28:18-19 Jul '72

SLUF...to improve its accuracy. Capt William E. Barrineau. illus tabs USAF Ftr Wpns Rev, pp 1-6+, Summer '72

A - 37

Mission: Troops in contact--the air war in Southeast Asia. John L. Frisbee. illus AF Mag 55:35-38 Oct '72

A C - 130

Development flexibility and cost discipline. Robert C. Seamans, Jr. illus tabs AF Mag 55:46-49 May '72

B - 1

Development flexibility and cost discipline. Robert C. Seamans, Jr. illus tabs AF Mag 55:46-49 May '72

Doubts vanish on B-1. AF Times 33:2 Oct 18 '72

Engineering the B-1 design. Irwin Stambler. illus (Also cutaway) Interavia 27:610-613 Jun '72

Review of the past brightens the future--C-5 problems aid B-1 development. Robert C. Seamans, Jr. illus Def Mgt J 8:60-65 Oct '72

The strategic requirement--AFA symposium in Orlando (Fla, Dec 15-16, 1971). Edgar Ulsamer. illus AF Mag 55:58-64 Feb '72

The swingers. (Variable-sweep wing aircraft) William G. Holder and Robert H. George. illus AU Rev 24: 53-62 Nov-Dec '72

B - 36History

The B-36: Production begins, 1946-1948. Meyers K. Jacobsen. illus tab Am Avn Hist Soc J pt 1, 17: 163-173 Fall '72

B - 52

Airpower halts an invasion. (Based on interviews with Gens F. C. Weyand, L. D. Clay, Jr, G. W. Johnson, J. R. McGiffert and J. W. Vogt, Jr) Edgar Ulsamer. illus AF Mag 55:60-68+ Sep '72

B-52 decoy ideas sought--SCAD (Subsonic Cruise Armed Decoy) design, AF Times 32:18 Mar 8 '72

New (missile) armaments (SRAM and SCAD) slated on B-52s. AF Times 32:37 Jul 5 '72

One more time. (Communications gap) Col Donald G. Prieve. (Reprinted from Combat Crew, Aug 1970) illus Combat Crew 23:4-7+ May '72

SCAD (Subsonic Cruise Armed Decoy missile)--electronic stand-in for the B-52. Edgar Ulsamer. illus (Also cutaway) AF Mag 55:43-47 Nov '72

Wing problem spotted in older model B-52s. AF Times 32:42 Jun 28 '72

AIRPLANE TYPE - ContinuedB - 52 - Cont'dMaintenance and Repair

Another Monday morning. (Crew chiefs, SSgt Al Mills and Sgt Charles J. Smoak, at U-Tapeo Airfield, Thailand) Sgt Dave Cole. illus Airman 16:44-47 Sep '72

B - 57

Egress systems update (ESCAPAC 1C for) A-7D, RB-57F, B-57G. Robert H. Shannon. illus Aerosp Safety 28:2-3 May '72

They shoot sick plants. (58th Weather Reconnaissance Sq tracks corn blight) Ed Blair. illus Airman 16:52-55 Feb '72

C - 5

C-5 avionics testing. Maj Donald L. Ritenour. Navigator 19, No. 2:23-25 '72

The C-5's strategic airlift capability. (Remarks, Aviation/Space Writers Assoc, New York, May 25, 1972) Gen Jack J. Catton. AF Pley Ltr for Comdrs: Sup No. 9:9-13 Sep '72

Development flexibility and cost discipline. Robert C. Seamans, Jr. illus tabs AF Mag 55:46-49 May '72

Galaxy training. Maj John R. Livingstone and Capt David R. Nelson. illus Navigator 19, No. 1:8-11 '72

Review of the past brightens the future--C-5 problems aid B-1 development. Robert C. Seamans, Jr. illus Def Mgt J 8:60-65 Oct '72

Maintenance and Repair

Maintainability--an effective engineering discipline. H. M. Sohn. illus Log Spectrum 6:11-17 Spring '72

C - 7

R. A. A. F. "Caribous"--first in and last out of Vietnam. illus Royal Air Forces Qtr 12:133-136 Summer '72

C - 9

First C-9A medical jets slated for o'sea delivery. AF Times 32:15 Mar 1 '72

C - 46

Honorable old bird flies into air history. illus AF Times 32:34 Jul 19 '72

C - 54

'Raisin bomber' recalls airlift. AF Times 33:61 Sep 27 '72

C - 121

Motion sickness symptomatology and performance decrements occasioned by hurricane penetrations in C-121, C-130 and P-3 Navy aircraft. Robert S. Kennedy and others. illus tabs Aerosp Med 43:1235-1239 Nov '72

C - 124

Flying high (in C-141). Capt Michael B. Purcell. Navigator 19, No. 1:26-27 '72

Matron of the lumbering loads. Sgt Dave Cole. illus Airman 16:43-44 Apr '72

C - 130

Airdrop at An Loc. John L. Frisbee. illustab AF Mag 55:40-42 Nov '72



AIRPLANE TYPE - ContinuedC-130 - Cont'd

The C-130 fin stall phenomenon. Walter E. Hensleigh. illus TAC Attack 12:4-7 Apr '72; Approach 18:6-10 Oct '72

Fire in flight. illus Approach 18:1-2 Jul '72; TAC Attack 12:4-6 Oct '72

Lockheed's Hercules--the goodwill aircraft. illus Interavia 27:647-649 Jun '72

Motion sickness symptomatology and performance decrements occasioned by hurricane penetrations in C-121, C-130 and P-3 Navy aircraft. Robert S. Kennedy and others. illus tabs Aerosp Med 43:1235-1239 Nov '72

Relief flights follow floods. AF Times 32:44 Jul 12 '72

Study and Teaching

Expertise, experience and the C-130. illus Air Reservist 24:6-7 Apr '72

The good old days. (Systems Approach to Training (SAT)) Maj Tom LaPolt. illus TAC Attack 12:4-7 Feb '72

C-133

Navigating the C-133. Capt Larry M. Almand. illus Navigator 19, No. 1:22-24 '72

C-141

The big leap--190 to 690 (knots airspeed). Capt Clifford L. Winburn. illus Navigator 19, No. 1:17-20 '72

The big picture. Maj Charlie Brown. illus MAC Flyer 19:16-19 Oct '72

C-141 airlifts 394 (Vietnamese) War refugees. Maj Larry Means. illus AF Times 32:32 May 31 '72

Flying high (in C-141). Capt Michael B. Purcell. Navigator 19, No. 1:26-27 '72

Stopping Starlifters. Capt Phil Budd. illus MAC Flyer 19:12-14 Feb '72

394 refugees flee Pleiku aboard 90-passenger USAF C-141. Maj Larry Means. illus Armed Forces J 109:20 Jun '72

Canberra

See B-57

Cargo Master

See C-133

Caribou

See C-7

Commando

See C-46

Constellation

See C-121

Corsair II

See A-7

Crown

See HC-130

Delta Dagger

See F-102

Delta Dart

See F-106

AIRPLANE TYPE - ContinuedF-4

Accidents at 150,000 cumulative flying hours. (Accidents, destroyed, fatal, 1st flight, 150,000 hours for A-7, F-4B, F-100, F-101, F-102, F-104, F-105, F-106, F-111) Table only. Armed Forces J 109:35 May '72

Air superiority into the 1980s. Gen John C. Meyer. illus Aerosp Intl 8:32-34 May-Jun '72

All F-4s in SEA going to Thailand. AF Times 32:3 Jun 28 '72

All the shiny switches. (Command Selector Valve--CSV) Maj Charles A. Lehman. illus Aerosp Safety 28:8-9 Nov '72

Behind the power curve. illus Approach 18:6-8 Dec '72

Combat dart. Capt Gerald D. Huff. illus USAF Ftr Wpns Rev, pp 7-10, Summer '72

Elmendorf's F-4 simulator provides real feel. Sgt Steve Gordenier. AF Times 32:25 Feb 16 '72

F-4 engine failure on takeoff. Maj Richard L. Penn, Jr. illus TAC Attack 12:4-6 Jul '72

F-4 precision low altitude navigation. Maj Richard F. Meyer. illus USAF Ftr Wpns Rev, pp 20-22, Spring '72

F-4 trend analysis. illus Approach 18:22-23 Jul '72

F-4s rip truck convoy in raid near Quang Tri. AF Times 32:47 Jun 14 '72

F-4s vs MIGs box score update (as of August 1972). Table only. Armed Forces J 110:48 Oct '72

The F-4E--a pilot's view. Maj Henry E. Bielinski. illus AF Mag 55:34-39 Nov '72

Of fighters and facts. VADM Thomas F. Connolly, Ret. illus US Nav Inst Proc 98:113-116 Jul '72

Slats are better! Irv Burrows. illus Aerosp Safety 28:2-5 Sep-Oct '72

Stick force lightening. Pat Henry. illus TAC Attack 12:4-5 Dec '72

TAC, stop smoking. Maj George R. Cilek. illus USAF TAWC Rev 3:14-17 Nov '72

Maintenance and Repair

In the winter of '70. (Servicing F-4's for 43d TFS at Elmendorf AFB, Alaska) Sgt Dave Cole. illus Airman 16:20-22 Apr '72

F-5

Hot hydraulic fluid. (Reprinted from F-5 Service News, March-April 1972) illus Aerosp Safety 28:6-7 May '72

F-6History

Hellcat 40467--the history of one F6F. Richard M. Hill. illus Am Avn Hist Soc J 17:201-205 Fall '72

F-14

The F-14 deal: An inside story. G. A. Spangenberg. Armed Forces J 109:10 Jun '72

Faith, patience, perserverance and the Tomcat (F-14). Larry Booda. illus Sea Power 15:13-18 Mar '72

(First military crew to attack multiple targets simultaneously with multiple missiles) Signal 27:63 Dec '72

AIRPLANE TYPE - ContinuedF-14 - Cont'd

Grumman's Tomcat--the first of the U.S.A.'s new air-superiority fighters. illus Air Pict 33:451 Dec '71

A historical analysis of the requirements placed upon fighter aviation. Capt S.M. Silver. illus MarCor Gaz 56:39-45 Feb '72

Of fighters and facts. VADM Thomas F. Connolly, Ret. illus US Nav Inst Proc 98:113-116 Jul '72

The swingers. (Variable-sweep wing aircraft) William G. Holder and Robert H. George. illus AU Rev 24: 53-62 Nov-Dec '72

Testing

Testing the "Tomcat" (F-14). illus tab Interavia 27: 35-37 Jan '72

F-15

Air superiority into the 1980s. Gen John C. Meyer. illus Aerosp Intl 8:32-34 May-Jun '72

Development flexibility and cost discipline. Robert C. Seamans, Jr. illus tabs AF Mag 55:46-49 May '72

The Eagle. illus TAC Attack 12:29-30 Sep '72

The F-15 Eagle air superiority fighter. illus Intl Def Rev 5:522-524 Oct '72

The (F-15) Eagle makes the scene. Capt John F. Gulick. illus Airman 16:24-30 Oct '72

The F-15 Eagle starts flight trials. illus Interavia 27:813-814 Aug '72

F-15 Eagle--USAF's top-priority fighter. John F. Loosbrock. illus AF Mag 55:22-23 Aug '72

F-15: The Eagle rolls out. illus AF Times 32:54 Jul 19 '72

Costs

The coming cost crunch of the F-15. Interview. BrigGen Benjamin N. Bellis. illus AF Mag 55:38-43 Jan '72

F-84History

The "Hog" (F-84F Thunderstreak): A USAF fighter that never fought. T.E. Baines. illus Aerosp Hist 19:132-136 Sep '72

Thunderstreaks and Flashes over France. Jean-Pierre Hoehn. illus tab Am Avn Hist Soc J pt 1, 17:145-153 Fall '72

F-100

Egress systems update (DART (Directional Automatic Realignment of Trajectory)) for F-100, for F-102. illus tab Aerosp Safety 28:8-9 Apr '72

F-100 implant surgery. illus tab Aerosp Safety 28:10-12 Mar '72

The (SMSgt Mike) Suzich touch. illus Natl Guardsman 26:24-25 Mar '72

History

Farewell to a gallant lady. Capt Bud Jackson and 1stLt Cam Dooley. illus TAC Attack 12:8-11 Aug '72

AIRPLANE TYPE - ContinuedF-101

Accidents at 150,000 cumulative flying hours. (Accidents, destroyed, fatal, 1st flight, 150,000 hours for A-7, F-4B, F-100, F-101, F-102, F-104, F-105, F-106, F-111) Table only. Armed Forces J 109:35 May '72

F-101 sleigh ride. Maj Brad Newell. illus Interceptor 14:24-25 Dec '72

F-102

Accidents at 150,000 cumulative flying hours. (Accidents, destroyed, fatal, 1st flight, 150,000 hours for A-7, F-4B, F-100, F-101, F-102, F-104, F-105, F-106, F-111) Table only. Armed Forces J 109:35 May '72

Egress systems update (DART (Directional Automatic Realignment of Trajectory)) for F-100, for F-102. illus tab Aerosp Safety 28:8-9 Apr '72

F-104

Accidents at 150,000 cumulative flying hours. (Accidents, destroyed, fatal, 1st flight, 150,000 hours for A-7, F-4B, F-100, F-101, F-102, F-104, F-105, F-106, F-111) Table only. Armed Forces J 109:35 May '72

The F-104 gun camera revisited; or, Help stamp out 21.4. LtCol Ross Whistler. illus USAF Ftr Wpns Rev, pp 1-4, Fall '72

F-105

Accidents at 150,000 cumulative flying hours. (Accidents, destroyed, fatal, 1st flight, 150,000 hours for A-7, F-4B, F-100, F-101, F-102, F-104, F-105, F-106, F-111) Table only. Armed Forces J 109:35 May '72

The heavyweight champ. Capt Martin A. Noel, Jr. illus TAC Attack 12:16-19 Oct '72

A new ballgame. (Difference between "driving" a C-124 Globemaster and handling the F-105 Thunderchief) illus Air Reservist 24:10-11 Jul '72

F-106

Aerial combat tactics. (Interview with Maj Ed Woelfel and Larry Haight) illus Interceptor 14:5-11 May '72

Daggers to Darts (at 120th Ftr Gp, ANG). illus Air Reservist 24:6-7 Jul '72

"Delta Darts" join Guard in major restructuring. illus Natl Guardsman 26:28-29 May '72

Give it lots of lovin' care. (F-106 out of control maneuvers) Roger G. Crewse. illus Interceptor 14:20-25 Mar '72

Speedline--the ultimate weapon (F-106) is alive and well and recuperating in California. illus Interceptor 14:11-13 Jun '72

"There I was." (F-106 fuel system malfunction) illus Interceptor 14:26-28 Sep '72

F-111

Accidents at 150,000 cumulative flying hours. (Accidents, destroyed, fatal, 1st flight, 150,000 hours for A-7, F-4B, F-100, F-101, F-102, F-104, F-105, F-106, F-111) Table only. Armed Forces J 109:35 May '72

AIRPLANE TYPE - ContinuedF-111 - Cont'd

- F-111 digital attack set. Capt Don Henry. illus (Also cutaway) USAF Ftr Wpns Rev, pp 24-32, Spring '72
- F-111 general navigation computer. Maj Jerry L. Wallace, Jr. illus map tab USAF Ftr Wpns Rev, pp 18-22, Summer '72
- F-111 terrain following radar revisited. Capt John Chapman. illus USAF Ftr Wpns Rev No. 4:4-8 Winter '71
- F-111s return to SEA; AF presence decreased. Ed Gates. AF Times 33:6 Oct 11 '72
- "I like my job": An F-111 crew shows why. Benjamin F. Schemmer. illus tab Armed Forces J 109:32-35 May '72
- Multi-role or single purpose? A problem in procurement. W. T. Gunston. illus RUSI J for Def Studies 117:33-37 Mar '72
- 'Suspension' ends for TAC's F-111s. AF Times 32:45 Jul 12 '72
- The swingers. (Variable-sweep wing aircraft) William G. Holder and Robert H. George. illus AU Rev 24: 53-62 Nov-Dec '72
- TAC halts F-111 training flights after two crashes. AF Times 32:19 Jul 5 '72
- Thrust required curves. illus Aerosp Safety 28:8-10 Jul '72
- Too many F-111 spare parts bought. AF Times 32:21 Feb 23 '72

FB-111

- A navigator's view of the FB-111. Maj Vincent B. Peck. illus Combat Crew 23:16-18 Jan '72

Testing

- Bumpy grind. Combat Crew 23:4-6 Jul '72

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HC-130

- A dream called "Long Flight." (Non-stop distance record for unrefueled turboprops) Maj Robert P. Everett. illus Airman 16:2-8 Jul '72
- Long-distance flight record set by HC-130. (Ching Chuan Kang AB, Taiwan to Scott AFB, Ill) AF Times 32:58 Mar 8 '72
- The mission of T-3. (Training pararescue men near Alaska) Sgt Dave Cole. illus Airman 16:2-6 May '72

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- Time of the Tigers. (KC-135 refueling missions in SEA) Sgt Dave Cole. illus Airman 16:6-10 Oct '72

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- The winter of 61. illus Combat Crew 23:4-7+ Nov '72
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- Army 18923 FL 400. (293d Aviation Company makes performance record flights) Maj Brownie D. West. illus USA Avn Dig 18:28-29 Mar '72

OV-10

- It's Pave Nail, and that's a FAC. Maj Keith J. Nance and Capt Roger B. Dunn. illus USAF TAWC Rev 3:10-13 Aug '72

Orion

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P-3

- ASW from the air--the P-3C Orion in operation. J. Philip Geddes. illus tab Intl Def Rev 5:27-29 Feb '72

- Motion sickness symptomatology and performance decrements occasioned by hurricane penetrations in C-121, C-130 and P-3 Navy aircraft. Robert S. Kennedy and others. illus tabs Aerosp Med 43:1235-1239 Nov '72

P-51History

- New thoughts on the old Mustang. Robert C. Burkholder. illus Aerosp Hist 19:66-68 Jun '72

Phantom II

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RB-57

- Egress systems update (ESCAPAC 1C for) A-7D, RB-57F, B-57G. Robert H. Shannon. illus Aerosp Safety 28:2-3 May '72

S-3

- Lockheed S-3A Viking--a new weapon against the submarine. tabs illus (Also cutaway) Interavia 27:59-62 Jan '72

- Lockheed's latest ASW aircraft--the S-3A. illus (Also cutaway) tabs Intl Def Rev 5:30-32 Feb '72

SR-71

- SR-71 ejection escape experience. Robert H. Shannon. illus Combat Crew 23:8-11 Jul '72

- Two (LtCols Thomas B. Estes and Dewain C. Vick) win Mackay Trophy--pilot SR-71 to record (for sustained speed at high altitudes). illus AF Times 32:3 Aug 2 '72

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T-33 icing. illus Interceptor 14:18-21 Oct '72

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T-39 engine restrictions. LtCol D. D. Johnson, Jr. illus Aerosp Safety 28:12-13 Aug '72

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Newest Skyhawk. (A-4N, latest and most sophisticated international version of Skyhawk II light attack aircraft) illus MarCor Gaz 56:4 Aug '72

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The longest mission. (Ferrying a U-1A from Addis Ababa, Ethiopia, to Sandhofen, Germany) Capt Samuel C. Raines. illus USA Avn Dig 18:6-9+ Feb '72

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280 feet too low! (Investigation of U-8F crash) illus USA Avn Dig 18:36-42 Jul '72

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Aircraft, Experimental

Jane's aerospace review 71/72. John W.R. Taylor. illus AF Mag 55:24-33 Jan '72

Accidents

See Accidents, Air; Accidents, Ground (Aircraft)

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Biological effects of simulated high altitude climate in pressurized commercial planes on passengers and flying personnel. S.W. Tromp. illus tab Aerosp Med 43:446-449 Apr '72

Newest member of the Cessna family: The 340. illus tab Interavia 27:153 Feb '72

CharacteristicsJane's All the World's Aircraft Supplement. Regular feature in issues of Aerospace International; some issues of Air Force MagazineControl

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Cost of Operation

Two years of 747 service. J. Philip Geddes. illus tab Interavia 27:455-456 May '72

De-icing

See Airplanes--Ice Prevention

Design

Charles Hampson Grant. illus Am Avn Hist Soc J pt 1, Early bird--model builder--inventor--journalist--youth builder. Willis L. Nye. 16:204-211 Fall '71; pt 2, The early bird everyone knows. James J. Sloan. 17:122-125 Summer '72

DC-8 that might have been. Eric B. Morgan. illus (Also cutaways) Air Pict 34:54-55 Feb '72

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Low &amp; slow, zoom &amp; boom. (Low altitude ejection) illus tab Interceptor 14:12-15 Apr '72

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Integrated drive generators for aircraft. R.J. Kennett. illus (Also cutaway) Interavia 27:402-403 Apr '72

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Ströver's new-look refuellers. illus Interavia 27:168 Feb '72

History

Flying machines--an 1890s essayist reviews the progress. Bill Nye. illus MAC Flyer 19:6-7 Jan '72

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When winter comes. illus Approach 18:26-30 Nov '72

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Hydroplaning

An airline pilot looks at crosswind landings on slippery runways. (Condensation of paper, Flight Safety Foundation's 24th Annual Air Safety Seminar, Mexico City, Oct 20, 1971) Capt John B. Clark. illus MAC Flyer 19:8-11 Feb '72

Airport lighting and power supplies--the final landing aid. illus Interavia 27:499-501 May '72

Analysis of pilot assessment of workload. W.J. Krzanowski and A.N. Nicholson. illus tabs Aerosp Med 43:993-997 Sep '72

Anti-landing-short reminders. LtCol T.J. Slaybaugh, Ret. illus MAC Flyer 19:16-17 Dec '72

Chop, drop, and plop. (Non-precision approach) illus tabs MAC Flyer 19:3-7 Aug '72

(Doppler Microwave Landing System) Signal 27:54-55 Nov '72

The final fifty feet. illus MAC Flyer 19:3-5 Feb '72; Condensation. TIG Brief 24:3-4 Apr '72; Adaptation. Interceptor 14:14-15 Aug '72

'IG Brief' examines hard landings. AF Times 32:40 Apr 12 '72

It ain't necessarily so. (Vertical illusion) illus USA Avn Dig 18:56-59 Jul '72

Keep 'em high. (FAA program to reduce midair collision danger) illus MAC Flyer 19:13 Jul '72

Loading and Unloading

Lufthansa cargo--enter the jumbo (Boeing 747F). Klaus Hühle. illus Interavia 27:230-231 Mar '72

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'IG Brief' examines hard landings. AF Times 32:40 Apr 12 '72

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Races

Aviatrix in blue. (Capt Judy Willis competes in the Powder Puff Derby) Lt Marion Bacon. illus Airman 16:31-32 Jan '72

Medical factors in unlimited class air racing accidents. Richard G. Snyder and Audie W. Davis, Jr. illus Aerosp Med 43:512-519 May '72

AIRPLANES - ContinuedRaces - Cont'dHistory

Ca Giulio Cesare was a lady. (Adventures of a participant in the great New York-Toronto race of 1919) Col Phillips Melville, Ret. illus map Am Avn Hist Soc J 17:105-111 Summer '72

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Restoration

Recce to Rockcliffe: Canada's National Aeronautical Collection described. Bryan Philpott. illus tab Air Pict 34:262-265 Jul '72

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Flying Safety

Collision avoidance systems controversy. illus Interavia 27:472 May '72

Midair collisions. LtCol Carl V. Carter. illus USA Avn Dig 18:50-54 May '72

Oxygen quick-check. LtCol Thomas J. McNey. Aerosp Safety 28:14 Aug '72

Stalling

Low & slow, zoom & boom. (Low altitude ejection) illus tab Interceptor 14:12-15 Apr '72

TakeoffSee Airplanes--Landing and TakeoffWings

Charles Hampson Grant. illus Am Avn Hist Soc J pt 1, Early bird--model builder--inventor--journalist--youth builder. Willis L. Nye. 16:204-211 Fall '71; pt 2, The early bird everyone knows. James J. Sloan. 17:122-125 Summer '72

Rotating cylinder flap. illus tab TAC Attack 12:28-30 Apr '72

Bulgaria

The Bulgarian scene. Paul R. Duffy. illus Air Pict 34:80-82 Mar '72

CanadaHistory

Recce to Rockcliffe: Canada's National Aeronautical Collection described. Bryan Philpott. illus tab Air Pict 34:262-265 Jul '72

Great Britain

The British air industry at Farnborough. Arthur Reed. illus NATO's Fifteen Nations 17:50-59 Aug-Sep '72

United StatesHistory

Charles Hampson Grant. illus Am Avn Hist Soc J pt 1, Early bird--model builder--inventor--journalist--youth builder. Willis L. Nye. 16:204-211 Fall '71; pt 2, The early bird everyone knows. James J. Sloan. 17:122-125 Summer '72

AIRPLANES - ContinuedUnited States - Cont'dHistory - Cont'd

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AIRPLANES, BOMBERDesign

Engineering the B-1 design. Irwin Stambler. illus  
(Also cutaway) Interavia 27:610-613 Jun '72

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Handley Page Victor. Elfan ap Rees. illus Air Pict  
pt 1, 34:162-167 May '72; pt 2, 34:220-226 Jun '72

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Dive bomber! The Douglas SBD Dauntless in Royal  
New Zealand Air Force service (No. 25 Sq). Cliff  
F. L. Jenks. illus maps tabs Am Avn Hist Soc J  
17:40-48 Spring '72

United States

The strategic requirement--AFA symposium in  
Orlando (Fla, Dec 15-16, 1971). Edgar Ulsamer.  
illus AF Mag 55:58-64 Feb '72

Wing problem spotted in older model B-52s. AF  
Times 32:42 Jun 28 '72

History

The B-36: Production begins, 1946-1948. Meyers K.  
Jacobsen. illus tab Am Avn Hist Soc J pt 1, 17:  
163-173 Fall '72

Dive bomber! The Douglas SBD Dauntless in Royal  
New Zealand Air Force service (No. 25 Sq). Cliff  
F. L. Jenks. illus maps tabs Am Avn Hist Soc J  
17:40-48 Spring '72

Martin 187 in Italian service. Tullio Marcon. illus  
tab Am Avn Hist Soc J 17:112-116 Summer '72

Washington to Alaska and back: Memories of the  
1934 U.S. Air Corps test flight (in Martin B-10's).  
MajGen Hugh J. Knerr. illus map Aerosp Hist  
19:20-24 Mar '72

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The American Bristol Fighter program, WW I. Jack  
Bruce and others. illus Am Avn Hist Soc J 17:  
85-89 Summer '72

The Bristol Fighter of Old Warden. WgComdr T. E.  
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Summer '72

Curse you, Red Baron. (Flying Circus Aerodrome,  
Bealton, Va) Philip R. Smith, Jr. illus Soldiers  
27:49-52 Jan '72

Hellcat 40467--the history of one F6F. Richard M.  
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AIRPLANES, FAMOUS AND HISTORIC - Continued

Honorable old bird (C-46) flies into air history. illus  
AF Times 32:34 Jul 19 '72

Lightning (P-38) pilot. (14th Fighter Gp in Operation  
Torch, WW II) Jeffrey L. Ethell. illus map Am  
Avn Hist Soc J 17:11-17 Spring '72

The McCormick-Romme umbrellaplane, 1911.  
Robert B. Casari. illus Am Avn Hist Soc J 17:  
156-162 Fall '72

Martin 187 in Italian service. Tullio Marcon. illus  
tab Am Avn Hist Soc J 17:112-116 Summer '72

Mr Robinson and his Redwings. John Potheary.  
illus tab Air Pict 33:462-464 Dec '71

NC-4 rots as overrun plagues (Smithsonian's  
National) Air Museum. illus Armed Forces J  
109:17 Apr '72

A page from history--OS2U Kingfisher. illus  
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Peashooter (P-26A) close-up. James J. Sloan. illus  
Am Avn Hist Soc J 17:1-7 Spring '72

Plight of the Anzac Clipper. M. D. Klaas. illus Am  
Avn Hist Soc J 17:174-177 Fall '72

RAF Museum, Hendon. Bryan Philpott. illus tab  
Air Pict 34:416-422 Nov '72

Recce to Rockcliffe: Canada's National Aeronautical  
Collection described. Bryan Philpott. illus tab  
Air Pict 34:262-265 Jul '72

Skyfame (Aircraft Museum) Staverton (Eng). Peter M.  
Thomas. illus Air Pict 34:228-229 Jun '72

Sparrowhawk re-marked. Maj John M. Elliott, Ret.  
illus Am Avn Hist Soc J 17:117-121 Summer '72

27 years after V-J Day, Howard Hughes is still under  
contract to fly his "Spruce Goose"--but it may end  
up as a \$75-million taco stand. Benjamin F.  
Schemmer. illus tab Armed Forces J 110:50-54+  
Nov '72

AIRPLANES, FIGHTERCharacteristics

A-7D Corsair II--that super-accurate SLUF (Short  
Little Ugly Feller). Capt Thomas G. Ryan. illus  
tab AF Mag 55:27-32 Mar '72

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The coming cost crunch of the F-15. Interview.  
BrigGen Benjamin N. Bellis. illus AF Mag 55:38-  
43 Jan '72

Dassault Mirage F-1. James Hay Stevens. illus tabs  
Air Pict 34:212-215 Jun '72

A flyer's views on fighter design. LtCol Robert Keith  
Hanna. illus AF Mag 55:53-55 Aug '72

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Behind the power curve. illus Approach 18:6-8  
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F-4 engine failure on takeoff. Maj Richard L. Penn,  
Jr. illus TAC Attack 12:4-6 Jul '72

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Give it lots of lovin' care. (F-106 out of control  
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14:20-25 Mar '72

Interceptor interview: A fighter pilot (CDR Reginald  
Sinclair). illus tab Interceptor 14:5-11 Aug '72



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Slats are better! Irv Burrows. illus Aerosp Safety  
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Stick force lightening. Pat Henry. illus TAC Attack  
12:4-5 Dec '72

Weight

The heavyweight champ. Capt Martin A. Noel, Jr. illus  
TAC Attack 12:16-19 Oct '72

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Slats are better! Irv Burrows. illus Aerosp Safety  
28:2-5 Sep-Oct '72

Australia

A whole new cricket match or a Yank in the R. A. A. F.  
Capt Michael E. Ryan. illus USAF Ftr Wpns Rev  
No. 4:26-28 Winter '71

Europe, Western

The Franco-German Alpha Jet--a status report. illus  
Intl Def Rev 5:372 Aug '72

MRCA--the future system of military procurement.  
A. H. C. Greenwood. illus RUSI J for Def Studies  
117:3+ Sep '72

Multi-role or single purpose? A problem in procure-  
ment. W. T. Gunston. illus RUSI J for Def Studies  
117:33-37 Mar '72

Panavia 200 becoming reality. illus Interavia 27:342-  
343 Apr '72

Progress with Jaguar. R. Salvy. illus tabs Intl Def  
Rev 5:146-148 Apr '72

France

Dassault Mirage F-1. James Hay Stevens. illus tabs  
Air Pict 34:212-215 Jun '72

Great Britain

Britain needs 175 HS. 1182s. illus Interavia 27:595  
Jun '72

The Lightning in RAF service. Roger Levy. illus Air  
Pict pt 1, Mks. 1-4. 34:2-8 Jan '72; pt 2, Mks.  
5, 6 and F. 2A. 34:56-59 Feb '72

History

The Bristol Fighter of Old Warden. WgComdr T. E.  
Guttery, Ret. illus Am Avn Hist Soc J 17:73-84  
Summer '72

The Lightning in RAF service. Roger Levy. illus Air  
Pict pt 1, Mks. 1-4. 34:2-8 Jan '72; pt 2, Mks.  
5, 6 and F. 2A. 34:56-59 Feb '72

NATO

Aircraft weapons and equipment for modern Air  
Forces. ACM Christopher Foxley-Norris. illus  
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Theatre Air Forces and tactical nuclear weapons.  
Maj E. van Veen. illus NATO's Fifteen Nations  
17:34-39+ Aug-Sep '72

United States

ADC again seeks new interceptor. Armed Forces J  
110:22 Nov '72

Air superiority into the 1980s. Gen John C. Meyer.  
illus Aerosp Intl 8:32-34 May-Jun '72

Biafran T-6's. A. le Nobel. illus Am Avn Hist Soc J  
17:103-104 Summer '72

AIRPLANES, FIGHTER - ContinuedUnited States - Cont'd

The coming cost crunch of the F-15. Interview.  
BrigGen Benjamin N. Bellis. illus AF Mag 55:38-  
43 Jan '72

The F-15 Eagle starts flight trials. illus Interavia  
27:813-814 Aug '72

Faith, patience, perserverance and the Tomcat  
(F-14). Larry Booda. illus Sea Power 15:13-18  
Mar '72

A flyer's views on fighter design. LtCol Robert Keith  
Hanna. illus AF Mag 55:53-55 Aug '72

General Dynamics and Northrop to build lightweight  
fighter prototypes. illus tab Interavia 27:693  
Jul '72

Lightweight fighter prototype RFPs (Requests For  
Proposals)out. Armed Forces J 109:19 Feb '72

Mission versus tradition. LCDR Stuart J. Fitrell.  
illus US Nav Inst Proc 98:120-121 Mar '72

Navy's choice of North American V/STOL fighter  
stirs intra-service, technical, and industry  
debate. Benjamin F. Schemmer. illus  
Armed Forces J 109:36-39 Jul '72

2 light fighter designs to get test. AF Times 32:22  
May 3 '72

With reputation and esprit intact. (Marines look to  
the future) Brooke Nihart. illus Sea Power  
15:18-23 Apr '72

History

Air superiority into the 1980s. Gen John C. Meyer.  
illus Aerosp Intl 8:32-34 May-Jun '72

The American Bristol Fighter program, WW I. Jack  
Bruce and others. illus Am Avn Hist Soc J 17:  
85-89 Summer '72

Boeing fighters. Peter Lewis. illus Air Pict pt 1,  
Army. 34:20-23 Jan '72; pt 2, Navy. 34:64-67  
Feb '72

The day the 31st Fighter Group won its unit citation.  
Jim Brooks. illus AF Mag 55:73-75 Oct '72

Hellcat 40467--the history of one F6F. Richard M.  
Hill. illus Am Avn Hist Soc J 17:201-205 Fall '72

A historical analysis of the requirements placed upon  
fighter aviation. Capt S. M. Silver. illus MarCor  
Gaz 56:39-45 Feb '72

Lightning (P-38) pilot. (14th Fighter Gp in Operation  
Torch, WW II) Jeffrey L. Ethell. illus map Am  
Avn Hist Soc J 17:11-17 Spring '72

The lost Centurys: F-103, F-107, F-108. illus TAC  
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Peashooter (P-26A) close-up. James J. Sloan. illus  
Am Avn Hist Soc J 17:1-7 Spring '72

Testing

Flyoff to test 2 fighters in A-X race. illus AF Times  
32:5 Apr 26 '72

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Airplanes, Military Transport (Jet)  
Airplanes, Transport (Jet)

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O'Rourke. illus US Nav Inst Proc 98:33-41 Nov '72

AIRPLANES, JET-PROPELLED - ContinuedHistory

Dawning of the jet age. illus TAC Attack 12:20-21 Sep '72

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Jet journey: Today--a P-80, tomorrow--what? LtCol Lane W. Smith. (Reprinted from Flying Safety, June 1945) illus TAC Attack 12:22-23 Sep '72

Great Britain

Hawker Siddeley Nimrod. illus NATO's Fifteen Nations 17:104-105 Aug-Sep '72

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New power proposal for Lockheed JetStar. J. Philip Geddes. illus (Also cutaway) tabs Interavia 27:1094-1095 Oct '72

Newest member of the Cessna family: The 340. illus tab Interavia 27:153 Feb '72

Piper PA-34 Seneca. Air Commodore Christopher Paul. illus Air Pict 34:310-312 Aug '72

A plethora of lightplanes (at 1972 Hanover Air Show). illus Interavia 27:762-763 Jul '72

Performance

Another thoroughbred from Dassault--Falcon 10 flight report. D.H. Chopping. tabs illus (Also cutaway) Interavia 27:147-149 Feb '72

Flying the Cessna Citation. D.H. Chopping. illus tab Interavia 27:470-471 May '72

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Aerospatiale Corvette. James Hay Stevens. illus tab Air Pict 34:26-28 Jan '72

Production Corvette ready for flight test. illus tab Interavia 27:1092-1093 Oct '72

Great Britain

T.K. series: Designs of the de Havilland Aeronautical Technical School. Peter Lewis. tab illus Air Pict 34:187-191 May '72

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Mr Robinson and his Redwings. John Potheary. illus tab Air Pict 33:462-464 Dec '71

United States

American light aircraft deliveries. Table only. Interavia 27:658-659 Jun '72

Cessna and Reims Aviation: Bigger sales push in 1972. Martin Deskau. illus tabs Interavia 27:150-152 Feb '72

New power proposal for Lockheed JetStar. J. Philip Geddes. illus (Also cutaway) tabs Interavia 27:1094-1095 Oct '72

Newest member of the Cessna family: The 340. illus tab Interavia 27:153 Feb '72

Piper PA-34 Seneca. Air Commodore Christopher Paul. illus Air Pict 34:310-312 Aug '72

AIRPLANES, MILITARY

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Airplane Type--C-5

Accidents

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Armament

Air armament. Col Robert L. Johnston, Ret. Regular feature in some issues of Ordnance

The "flyable" smart bomb--adding another dimension to airpower. (Interviews with Cols E. M. Munyon and B. K. Partin) Edgar Ulsamer. illus AF Mag 55:30-35 Aug '72

Arresting Gear

Over-education? (Pilot's failure to stop airplane) illus TAC Attack 12:22-23 Aug '72

Brakes

Stopping Starlifters. Capt Phil Budd. illus MAC Flyer 19:12-14 Feb '72

Whoa woes. (Hydroplaning) LtCol David L. Elliott. illus tab Aerosp Safety 28:1-3+ Feb '72

You'll never believe this one. But it did happen!! (Airplane takeoff with brakes set) Maj Fred L. Alleman. illus Combat Crew 23:4-6 Mar '72

Characteristics

Jane's All the World's Aircraft Supplement. Regular feature in issues of Aerospace International; some issues of Air Force Magazine

Combat Evaluation

The real Achilles heel. (Low survivability of conventional combat aircraft) LtCol Norbert Hannig, Ret. Interavia 27:1021-1022 Sep '72

Control

See Flight Control Systems

De-icing

See Airplanes, Military--Ice Prevention

Design

Man-machine tests made for planned aircraft. AF Times 32:44 Mar 15 '72

The swingers. (Variable-sweep wing aircraft) William G. Holder and Robert H. George. illus AU Rev 24:53-62 Nov-Dec '72

Detection and Recognition

See Airplanes, Military--Identification

Ditching

The longest flight. illus TAC Attack 12:16-18 May '72

Electronic Equipment

See Electronic Equipment (Aircraft)

Emergency Procedures

A-7D hydraulic failures deferred emergency? J. D. Eaton. illus TAC Attack 12:16-19 Aug '72

AIRPLANES, MILITARY - ContinuedEmergency Procedures - Cont'd

- All the shiny switches. (Command Selector Valve-- CSV) Maj Charles A. Lehman. illus Aerosp Safety 28:8-9 Nov '72
- Decide to survive. Roger G. Crewse. illus Interceptor 14:5-11 Jul '72
- Eject! Eject! illus Approach 18:1-3 Sep '72
- Exit the tiger: Survival psychology for the ADC tiger. illus Interceptor 14:10-15 Jan '72
- F-4 engine failure on takeoff. Maj Richard L. Penn, Jr. illus TAC Attack 12:4-6 Jul '72
- A friend indeed (Runway Supervisory Unit). illus Interceptor 14:13-15 Oct '72
- Give it lots of lovin' care. (F-106 out of control maneuvers) Roger G. Crewse. illus Interceptor 14:20-25 Mar '72
- No accident! CDR Siegfried A. Fink. illus Approach 18:1-3 Oct '72
- The other way out. (Ground egress) Maj Charles Lehman. illus Aerosp Safety 28:6-7 Mar '72
- Over-education? (Pilot's failure to stop airplane) illus TAC Attack 12:22-23 Aug '72
- Pacific plunge. Maj Russell Weber. illus Interceptor 14:12-16 Feb '72
- Passenger briefings. illus Approach 18:16-20 Dec '72
- Review of high performance aircraft take off and landing accidents. Erna V. Rice and Earl H. Ninow. tabs Aerosp Med 43:274-277 Mar '72
- Seconds of stark terror. LtCol Leroy R. Mulch. illus Combat Crew 23:21-23 Jan '72
- "There I was." (F-106 fuel system malfunction) illus Interceptor 14:26-28 Sep '72
- Throw a nickel on the grass. (Signals in emergency situations with inoperative radio) Capt Dennis M. Biggs. illus Interceptor 14:16-18 May '72
- What would you do if... (Aircrew survival, takeoff and landing accidents) Erna V. Rice. illus tabs Approach 18:6-9 Nov '72

Study and Teaching

- Emergency situation training. Capt Kerry G. Herron. illus Aerosp Safety 28:2-5 Aug '72
- More emergency situation training. Capt Kerry G. Herron. illus Aerosp Safety 28:16-17 Sep-Oct '72

EnginesSee also

- Gas Turbines (Aircraft)
- Jet Engines

- Engine ratings and operational limits. Oliver C. Carlisle. illus Combat Crew 23:8-10 Mar '72
- F-100 implant surgery. illus tab Aerosp Safety 28:10-12 Mar '72
- Progress made by DOD spares aircraft engine requirements study group. TIG Brief 24:18 Mar 10 '72
- The (SMSgt Mike) Suzich touch. illus Natl Guardsman 26:24-25 Mar '72
- T-39 engine restrictions. LtCol D. D. Johnson, Jr. illus Aerosp Safety 28:12-13 Aug '72

AIRPLANES, MILITARY - ContinuedEngines - Cont'dHistory

- Aero engines of the First World War. Ronald Pearsall. Royal Air Forces Qtr 12:199-201 Autumn '72

Maintenance and Repair

- Engine maintenance runs. TIG Brief 24:19-20 Mar 10 '72

Equipment

- Speedline--the ultimate weapon (F-106) is alive and well and recuperating in California. illus Interceptor 14:11-13 Jun '72
- The two-million dollar clipboard. illus Aerosp Safety 28:2-3 Mar '72

Testing

- 'Laboratories' fly tests above Ohio countryside. illus AF Times 32:63 Mar 8 '72

Exhaust Systems

- TAC, stop smoking. Maj George R. Cilek. illus USAF TAWC Rev 3:14-17 Nov '72

Fires and Fire Prevention

- Air Force's new fire resistant hydraulic fluid (MIL-H-83282). Gus S. Economy. tab Aerosp Safety 28:20 Jan '72
- Fire in flight. illus Approach 18:1-2 Jul '72; TAC Attack 12:4-6 Oct '72
- Pacific plunge. Maj Russell Weber. illus Interceptor 14:12-16 Feb '72

Fuel Systems

- Double trouble. illus Approach 18:32-33 Nov '72
- "There I was." (F-106 fuel system malfunction) illus Interceptor 14:26-28 Sep '72

Fuel Tanks

- A case for fuel tank inerting. T. O. Reed. illus Aerosp Safety 28:30-31 Jun '72

Fuels

- Storage, distribution, and dispensing of aircraft and automotive fuels. TIG Brief 24:13-14 Apr 21 '72

Ground-Support Equipment

- The "show" goes on. (Importance of the Aerospace Ground Equipment section at Elmendorf AFB, Alaska) Sgt Steve Gordenier. illus Airman 16:10-11 Dec '72

History

- The Eagle. illus TAC Attack 12:29-30 Sep '72

Hydraulic Systems

- A-7D hydraulic failures deferred emergency? J. D. Eaton. illus TAC Attack 12:16-19 Aug '72
- A-7D: Why ISO (ISOLated utility system)? J. D. Eaton. illus TAC Attack 12:10-11 Nov '72
- Air Force's new fire resistant hydraulic fluid (MIL-H-83282). Gus S. Economy. tab Aerosp Safety 28:20 Jan '72
- Hot hydraulic fluid. (Reprinted from F-5 Service News, March-April 1972) illus Aerosp Safety 28:6-7 May '72



## AIRPLANES, MILITARY - Continued

Ice Prevention

T-33 icing. illus Interceptor 14:18-21 Oct '72

Why induce disaster? (Induction icing) illus MAC Flyer 19:10-11 Nov '72

Identification

Plane spotting gets new look. AF Times 32:20 Apr 26 '72

Shaw (AFB, SC) deploys (tactical air) control system for first time. AF Times 32:24 Mar 29 '72

Insignia

Sparrowhawk re-marked. Maj John M. Elliott, Ret. illus Am Avn Hist Soc J 17:117-121 Summer '72

History

Wonder where ole yellow (U.S. national aircraft insignia) went? Maj John M. Elliott, Ret. illus tab Am Avn Hist Soc J 17:18-20 Spring '72

InspectionSee also

Preflight Inspections

NDI (NonDestructive Inspection)-FOD--weapon in foreign object control. LtCol Arthur W. Day. illus Aerosp Safety 28:24-26 Aug '72

Williams (AFB, Ariz test) pilots look for leaks. AF Times 33:36 Oct 4 '72

Instruments

See Aeronautical Instruments

Interception

ADC again seeks new interceptor. Armed Forces J 110:22 Nov '72

GCI weapons controllers. (Interviews with Capts Laszlo J. Bakony, James S. White and Gale F. Green) illus Interceptor 14:5-9 Feb '72

Study and Teaching

Interception mission. LtCol V. Belyaev. illus Soviet Mil Rev No. 6:20-22 Jun '72

Landing and TakeoffSee also

Automatic Landing Systems  
Ground-Controlled Approach  
Hydroplaning

The brakes of Naval Air. illus Approach 18:6-7 Aug '72

Cruise clearance. illus MAC Flyer 19:14-15 Mar '72

F-101 sleigh ride. Maj Brad Newell. illus Interceptor 14:24-25 Dec '72

The final fifty feet. illus MAC Flyer 19:3-5 Feb '72; Condensation. TIG Brief 24:3-4 Apr 7 '72; Adaptation. Interceptor 14:14-15 Aug '72

A friend indeed (Runway Supervisory Unit). illus Interceptor 14:13-15 Oct '72

Go know go. (Aircraft takeoff and landing accidents) illus Aerosp Safety 28:2-3 Apr '72

Head up--gear up. Aerosp Safety 28:7 Jul '72

Is the airfield the Achilles heel of the conventional combat aircraft? A. W. Bedford. illus Interavia 27:497-498 May '72

Military air cushion aircraft. Kennerly H. Digges. illus Mil Engr 64:304-308 Sep-Oct '72

## AIRPLANES, MILITARY - Continued

Landing and Takeoff - Cont'd

Missed approach points. illus Aerosp Safety 28:5 May '72

Over-education? (Pilot's failure to stop airplane) illus TAC Attack 12:22-23 Aug '72

Poor man's VASI. (Adapted from Aerospace Safety, Oct 1970) illus MAC Flyer 19:6-7 May '72

Prediction of pilot performance during initial carrier landing qualification. C. A. Britson and others. illus tabs Aerosp Med 43:483-487 May '72

Ramp roulette (taxi mishaps). Col James A. Talbot, Ret. illus MAC Flyer 19:19-23 Sep '72

The real Achilles heel. (Low survivability of conventional combat aircraft) LtCol Norbert Hannig, Ret. Interavia 27:1021-1022 Sep '72

Review of high performance aircraft take off and landing accidents. Erna V. Rice and Earl H. Ninow. tabs Aerosp Med 43:274-277 Mar '72

Seeing is deceiving. (Adapted from Interceptor, Dec 1970) illus Interceptor 14:8-12 Oct '72

Stopping Starlifters. Capt Phil Budd. illus MAC Flyer 19:12-14 Feb '72

The unnecessary truth. (Gear up landings) illus Interceptor 14:5-9 Dec '72

What would you do if... (Aircrew survival, takeoff and landing accidents) Erna V. Rice. illus tabs Approach 18:6-9 Nov '72

When the heat's on. (Precautionary landings) (Adapted from Interceptor, March 1960) illus Interceptor 14:12-13 Aug '72

Whoa woes. (Hydroplaning) LtCol David L. Elliott. illus tab Aerosp Safety 28:1-3+ Feb '72

You'll never believe this one. But it did happen!! (Airplane takeoff with brakes set) Maj Fred L. Alleman. illus Combat Crew 23:4-6 Mar '72

Study and Teaching

NCLT (Night Carrier Landing Trainer)--a complete approach. LCDR J. R. McDaniel. illus Approach 17:16-22 Feb '72

Landing Gear

Double trouble. illus Approach 18:32-33 Nov '72

Head up--gear up. Aerosp Safety 28:7 Jul '72

The unnecessary truth. (Gear up landings) illus Interceptor 14:5-9 Dec '72

Loading and Unloading

Weapons loading training. TIG Brief 24:13-14 Dec 22 '72

Maintenance and Repair

See Aircraft Maintenance and subdivision Maintenance and Repair under specific Airplane Types

Manufacture

See Aircraft Industry and Trade

Markings

See Airplanes, Military--Insignia

Materials

Aircraft Structural Integrity Program (ASIP). TIG Brief 24:9-10 Jun 30 '72

## AIRPLANES, MILITARY - Continued

Modifications

- AWACS slated for testing. illus AF Times 32:24 Feb 16 '72
- F-100 implant surgery. illus tab Aerosp Safety 28:10-12 Mar '72
- The (SMSgt Mike) Suzich touch. illus Natl Guardsman 26:24-25 Mar '72
- Speedline--the ultimate weapon (F-106) is alive and well and recuperating in California. illus Interceptor 14:11-13 Jun '72

Mothballing

See Airplanes, Military--Storage

Performance

- Army 18923 FL 400. (293d Aviation Company makes performance record flights) Maj Brownie D. West. illus USA Avn Dig 18:28-29 Mar '72

Piloting

- Electro-RAM (Electro-mechanical Redundant Actuator Mechanism): A new actuator concept for Fly-By-Wire (FBW). R. H. Mitchell and R. L. Warren. illus tab Signal 26:65-67 Jun '72

- Vestibular illusions and how to whip them. Maj Bennett G. Owens, Jr. illus USA Avn Dig 18:12-15+ May '72

Power PlantsSee also

Airplanes, Military--Engines

Recognition

See Helicopters, Military--Identification

RefuelingSee also

In-Flight Refueling

- The billion dollar save. (In-flight refueling by tankers in Vietnam) illus Sea Power 15:33 Dec '72

Restoration

- Sparrowhawk re-marked. Maj John M. Elliott, Ret. illus Am Avn Hist Soc J 17:117-121 Summer '72

Safety MeasuresSee also

Flying Safety

- Aircraft hurricane evacuation plan. TIG Brief 24:10 Jul 28 '72

- A case for fuel tank inerting. T. O. Reed. illus Aerosp Safety 28:30-31 Jun '72

- Crashworthy troop seat designs. Joseph L. Haley, Jr. illus USA Avn Dig 18:52-58 Apr '72

- Explosives-loaded aircraft. TIG Brief 24:14 May 5 '72

- Life support? illus TAC Attack 12:4-6 May '72

- Misuse of oxygen systems in jet fighter aircraft. TIG Brief 24:5 Apr 7 '72

- Passenger briefings. illus Approach 18:16-20 Dec '72

- Proximity warning devices versus midair collisions. Capt Lee W. Jurney. illus USA Avn Dig 18:12-13 Jan '72

- Winter wisdom. illus Aerosp Safety 28:2-4 Nov '72

## AIRPLANES, MILITARY - Continued

Seats

- Crashworthy troop seat designs. Joseph L. Haley, Jr. illus USA Avn Dig 18:52-58 Apr '72

- Positioning of aircrews--ultima ratio of G protection? Harald J. von Beckh. illus Aerosp Med 43:743-754 Jul '72

Spare Parts

- Maintainability--an effective engineering discipline. H. M. Sohn. illus Log Spectrum 6:11-17 Spring '72

- Progress made by DOD spares aircraft engine requirements study group. TIG Brief 24:18 Mar 10 '72

- Storage, reclamation, and disposition of USAF aircraft. TIG Brief 24:12 Jun 30 '72

- Too many F-111 spare parts bought. AF Times 32:21 Feb 23 '72

Speed

- The big leap--190 to 690 (knots airspeed). Capt Clifford L. Winburn. illus Navigator 19, No. 1: 17-20 '72

Stalling

- The C-130 fin stall phenomenon. Walter E. Hensleigh. illus TAC Attack 12:4-7 Apr '72; Approach 18: 6-10 Oct '72

- Design for stall. E. L. Venturini. illus Approach 17:20-23 Jun '72

- Give it lots of lovin' care. (F-106 out of control maneuvers) Roger G. Crewse. illus Interceptor 14:20-25 Mar '72

Storage

- Davis-Monthan (AFB, Ariz)--home of the U.S.A.'s "surplus" air force. Lindsay Peacock and Henry F. Carter. illus tabs Air Pict 33:440-445 Dec '71

- Desert bonanza. (Military Aircraft Storage and Disposition Center, Davis-Monthan AFB, Ariz) Ed Blair. illus Airman 16:36-39 Jul '72

- Storage, reclamation, and disposition of USAF aircraft. TIG Brief 24:12 Jun 30 '72

Surfaces

- Don't write on me. illus Interceptor 14:14-15 Jun '72

Tails

- The C-130 fin stall phenomenon. Walter E. Hensleigh. illus TAC Attack 12:4-7 Apr '72; Approach 18: 6-10 Oct '72

Takeoff

See Airplanes, Military--Landing and Takeoff

Testing

- We test anything. (4950th Test Wg, Wright-Patterson AFB, Ohio) Lt Chris J. Scheer. illus Airman 16:17-20 Jun '72

Tires

- Tire pressure loss. illus TAC Attack 12:24-26 Feb '72

Tracking

See Airplanes, Military--Identification

Weight

- Aircraft weight and balance. TIG Brief 24:12 Oct 13 '72

AIRPLANES, MILITARY - ContinuedWindshields

See it like it is. (REPCON, rain REpellant and surface CONDITIONER) illus Aerosp Safety 28:12-13 Feb '72

Wings

The swingers. (Variable-sweep wing aircraft) William G. Holder and Robert H. George. illus AU Rev 24: 53-62 Nov-Dec '72

Wing problem spotted in older model B-52s. AF Times 32:42 Jun 28 '72

Belgium

The Belgian Air Force re-equips. Andre' van Haute. illus tab Air Pict 34:392-394 Oct '72

Bulgaria

Bulgarian A. F. William Hesz. illus Air Pict 34:82-83 Mar '72

History

Bulgaria at war. Richard P. Bateson. illus tab map Air Pict pt 1, Rebirth of an Air Force. 34:88-94 Mar '72; pt 2, Into battle. 34:140-143 Apr '72; pt 3, Under the Allied onslaught; a change of sides. 34:177-179+ May '72

China (People's Republic)

Communist China's Air Force. Niu Sien-Chong. NATO's Fifteen Nations 17:70-72+ Aug-Sep '72

Great Britain

Army Aviation. J. D. R. Rawlings. illus charts Air Pict pt 1, Organisation, tasks, and equipment. 34:296-299 Aug '72; pt 2, Flying with the Army. 34:349-352 Sep '72; pt 3, Taking up arms. 34: 386-388 Oct '72

Meeting the new threat--the UK plans a flexible response. illus tab Interavia 27:960-963 Sep '72

Multi-role or single purpose? A problem in procurement. W. T. Gunston. illus RUSI J for Def Studies 117:33-37 Mar '72

Two new Canberra variants. illus tab Air Pict 33:467 Dec '71

Israel

Israel air-to-air combat record. Armed Forces J 110:46+ Oct '72

Israel's home-grown armament industry. William Beecher. illus Natl Guardsman 26:2-6 Jan '72

A short history of the Israeli Air Force. illus Aerosp Hist 19:10-17 Mar '72

Statistics

The Israel Air Force. Martin J. Miller, Jr. illus tabs Ordnance 57:124-129 Sep-Oct '72

NATO

Aircraft weapons and equipment for modern Air Forces. ACM Christopher Foxley-Norris. illus NATO's Fifteen Nations 17:26-28+ Aug-Sep '72

United States

Alaska air developments. Albert C. Piccirillo. illus Am Avn Hist Soc J 17:126-131 Summer '72

Old, new; tried, true. (Naval aircraft and missile weaponry) illus Sea Power 15:36-37 Nov '72

Two new Canberra variants. illus tab Air Pict 33:467 Dec '71

AIRPLANES, MILITARY - ContinuedUnited States - Cont'dHistory

Boeing fighters. Peter Lewis. illus Air Pict pt 1, Army. 34:20-23 Jan '72; pt 2, Navy. 34:64-67 Feb '72

(Count Carl Gustav) Von Rosen and the mini-warplanes. Mauno Salo. illus Am Avn Hist Soc J 17:99-102 Summer '72

Gallery. (Paintings of U. S. military aircraft) Airman 16:24-31 Sep '72

Lightning (P-38) pilot. (14th Fighter Gp in Operation Torch, WW II) Jeffrey L. Ethell. illus map Am Avn Hist Soc J 17:11-17 Spring '72

The pioneer years. illus Approach pt 1, 1910-1913. 18:12-16 Jul '72; pt 2, 1914-1916. 18:10-14 Aug '72

Sparrowhawk re-marked. Maj John M. Elliott, Ret. illus Am Avn Hist Soc J 17:117-121 Summer '72

Wings over the border: The Army Air Service Armed Patrol of the United States-Mexico border, 1919-1921. Stacy C. Hinkle. illus maps Am Avn Hist Soc J pt 1, 17:184-190 Fall '72

Statistics

The starting lineup...and the team today. (USAF inventory, Sep 18, 1947 and June 30, 1972) illus tabs Armed Forces J 110:50-51 Sep '72

Testing

Groundwork for aircraft. William G. Holder. illus Ordnance 57:151-154 Sep-Oct '72

AIRPLANES, MILITARY TRANSPORTUnited States

Crashworthy troop seat designs. Joseph L. Haley, Jr. illus USA Avn Dig 18:52-58 Apr '72

New STOL transport planned. AF Times 32:42 Jun 28 '72

USAF okays bigger cargo option on STOL transport. Armed Forces J 109:21 Jan '72

AIRPLANES, MILITARY TRANSPORT (JET)Piloting

Transports in turbulence. Maj Ed Ross. illus MAC Flyer 19:3-8 Apr '72

AIRPLANES, MODEL

Prototype to miniature. H.L. Schreiner. illus Am Avn Hist Soc J 17:49-52 Spring '72

History

Wings for youth--the story of Edward T. Packard, a model builder in business. Herman L. Schreiner. illus Am Avn Hist Soc J 17:206-212 Fall '72

AIRPLANES, RECONNAISSANCEGreat Britain

Harriers in Germany. David Dorrell. illus Air Pict 33:452-453 Dec '71

History

The Lockheed Neptune in RAF service. Peter J. Howard. tab illus (Also cutaway) Air Pict pt 1, 34:284-287+ Aug '72; pt 2, 34:356-360 Sep '72



AIRPLANES, RECONNAISSANCE - ContinuedUnited States

Lockheed S-3A Viking--a new weapon against the submarine. tabs illus (Also cutaway) Interavia 27:59-62 Jan '72

AIRPLANES, SUBMERSIBLE see Submersible Vehicles

AIRPLANES, SUPERSONIC

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Airplanes, Transport (Supersonic)

Great Britain

The Lightning in RAF service. Roger Levy. illus Air Pict pt 1, Mks. 1-4. 34:2-8 Jan '72; pt 2, Mks. 5, 6 and F.2A. 34:56-59 Feb '72

AIRPLANES, TANKERUnited States

Time of the Tigers. (KC-135 refueling missions in SEA) Sgt Dave Cole. illus Airman 16:6-10 Oct '72

AIRPLANES, TARGET see Targets, Aerial

AIRPLANES, TRAINERGreat Britain

Britain needs 175 HS.1182s. illus Interavia 27:595 Jun '72

Hawker Hunter T.66A. Elfan ap Rees. illus tab Air Pict 34:108 Mar '72

Spain

Our man in San Javier. (USAF Maj Salvador Rodriguez, Allied Exchange Officer at the Spanish AF Academy) MSgt Loren B. Leonberger. illus Airman 16:42-46 May '72

United States

Reporting on trainer equipment. TIG Brief 24:18 Jun 16 '72

T-43A airborne navigator trainer. illus Navigator 19, No. 3:14-20 '72

AIRPLANES, TRANSPORTPolandHistory

Junkers F 13 in Poland. Günter G. Endres. illus tab Air Pict 34:362-363 Sep '72

United States

DC-8 that might have been. Eric B. Morgan. illus (Also cutaways) Air Pict 34:54-55 Feb '72

AIRPLANES, TRANSPORT (JET)Characteristics

A. 300B Airbus (data). illus tabs Interavia 27:1211-1212 Nov '72

Lockheed L-1011 TriStar. illus tab Interavia 27:1142-1143 Oct '72

Design

DC-10 design development. R. E. Bates. illus Interavia 27:228-229 Mar '72

Ground-Support Equipment

Strüver's new-look refuellers. illus Interavia 27:168 Feb '72

China (People's Republic)

Peking reaches for the sky. Gene Gregory. illus Interavia 27:765-766 Jul '72

AIRPLANES, TRANSPORT (JET) - ContinuedEurope, Western

A. 300B Airbus--a European aircraft challenges a difficult market. tabs illus (Also cutaways) Interavia 27:334-341 Apr '72

The A. 300B Airbus--combining European experience. illus Interavia 27:65-66+ Jan '72

A. 300B Airbus (data). illus tabs Interavia 27:1211-1212 Nov '72

Filling the Airbus gap. Stefan Geisenheyner. illus Aerosp Intl 8:54-57 May-Jun '72

Mercure--a product of international cooperation. illus tabs Interavia 27:465-469 May '72

Mercure status briefing. R. Salvy. illus Interavia 27:78 Jan '72

Postscript to April's Airbus feature. illus Interavia 27:768 Jul '72

France

Aerospatiale Corvette. James Hay Stevens. illus tab Air Pict 34:26-28 Jan '72

Another thoroughbred from Dassault--Falcon 10 flight report. D.H. Chopping. tabs illus (Also cutaways) Interavia 27:147-149 Feb '72

Production Corvette ready for flight test. illus tab Interavia 27:1092-1093 Oct '72

Germany (Federal Republic)

Lufthansa cargo--enter the jumbo (Boeing 747F). Klaus Hühle. illus Interavia 27:230-231 Mar '72

Lufthansa's Boeing 747F operation. Interavia 27:657 Jun '72

VFW 614--a contender for the commuter aircraft market. Stefan Geisenheyner. illus Aerosp Intl 8:46-50+ May-Jun '72

Russia

Aviaexport pushes into the world market. tab illus (Also cutaways) Interavia 27:154-157 Feb '72

Over all continents--Soviet winged craft and helicopters. Maj V. Zhigarev. illus Soviet Mil Rev No. 1:24-27 Jan '72

Soviet winged craft and helicopters. Maj V. Zhigarev. illus Soviet Mil Rev No. 3:36-37 Mar '72

United States

Boeing's heavyweight contender--the 747F (freighter version). Edgar Ulsamer. illus AF Mag 55:68-69 Jan '72

Boeing's medium-haul challenger--the advanced 727-200. illus Interavia 27:347-348 Apr '72

The DC-10 automatic flight guidance system. illus Interavia 27:244-245 Mar '72

Flying the Cessna Citation. D.H. Chopping. illus tab Interavia 27:470-471 May '72

Lockheed L-1011 TriStar. illus tab Interavia 27:1142-1143 Oct '72

Lufthansa cargo--enter the jumbo (Boeing 747F). Klaus Hühle. illus Interavia 27:230-231 Mar '72

Lufthansa's Boeing 747F operation. Interavia 27:657 Jun '72

New power proposal for Lockheed JetStar. J. Philip Geddes. illus (Also cutaway) tabs Interavia 27:1094-1095 Oct '72

R&D costs: The plight of future flight. James J. Hagerty. Govt Exec 4:39+ Sep '72

AIRPLANES, TRANSPORT (JET) - ContinuedUnited States - Cont'dStatistics

Two years of 747 service. J. Philip Geddes. illus tab  
Interavia 27:455-456 May '72

Testing

DC-10 design development. R. E. Bates. illus  
Interavia 27:228-229 Mar '72

AIRPLANES, TRANSPORT (SUPERSONIC)

Radiobiological problems caused by supersonic transport (with a survey of the first results established by tests performed on board the Concorde prototype). R. P. Delahaye and others. tabs Aerosp Med 43:782-784 Jul '72

Supersonic travel is worthwhile. Interavia 27:805  
Aug '72

Characteristics

Concorde (data). illus tabs Interavia 27:831-834  
Aug '72

Performance

Concorde shows its paces. illus tabs map Interavia  
27:225-227 Mar '72

Testing

The Europe, Western thermal fatigue test installation for Concorde. illus Interavia 27:875 Aug '72

Europe, Western

Concorde shows its paces. illus tabs map Interavia  
27:225-227 Mar '72

Concorde's automatic flight control system. illus  
Interavia 27:126-127 Feb '72

The economics of the Concorde. illus tabs Interavia  
27:828-830 Aug '72

Financing (Concorde) development and sales. Interavia 27:827 Aug '72

Who is going to buy an SST? illus maps tabs Interavia  
27:825-826 Aug '72

Russia

Over all continents--Soviet winged craft and helicopters. Maj V. Zhigarev. illus Soviet Mil Rev No. 1:24-27 Jan '72

United States

SST--a follow-on program starts. Govt Exec 4:18  
Jul '72

AIRPLANES, V/STOLSee also

Advanced Medium Short Takeoff and Landing Transport

Is the airfield the Achilles heel of the conventional combat aircraft? A. W. Bedford. illus Interavia 27:497-498 May '72

Over or under the water? A place for both V/STOL and rail. K. W. Clark. illus Interavia 27:1010-1012 Sep '72

The real Achilles heel. (Low survivability of conventional combat aircraft) LtCol Norbert Hannig, Ret. Interavia 27:1021-1022 Sep '72

The wondrous world of jet V/STOL. CAPT Gerald G. O'Rourke. illus US Nav Inst Proc 98:33-41 Nov '72

Characteristics

The wondrous world of jet V/STOL. CAPT Gerald G. O'Rourke. illus US Nav Inst Proc 98:33-41 Nov '72

AIRPLANES, V/STOL - ContinuedDesign

A flexible ship and a more responsive Navy. F. W. S. Locke, Jr and Virginia Withington. illus tab Nav War Col Rev 25:54-70 Sep-Oct '72

History

The wondrous world of jet V/STOL. CAPT Gerald G. O'Rourke. illus US Nav Inst Proc 98:33-41 Nov '72

Germany (Federal Republic)

Germany's aircraft industry. James Hay Stevens. illus Air Pict 34:134-138 Apr '72

Harriers in Germany. David Dorrell. illus Air Pict 33:452-453 Dec '71

Great Britain

Harriers in Germany. David Dorrell. illus Air Pict 33:452-453 Dec '71

The maritime Harrier. A. W. Roberts. illus Air Pict 34:342-344 Sep '72

USMC/DOD/V/STOL Exercise (Versatile Warrior) validates AV-8A Harrier goals. Brooke Nihart. illus Armed Forces J 109:52-53 May '72

United States

CAS: The hardware and the mission. Claude Witze. illus AF Mag 55:17-18+ May '72

Development flexibility and cost discipline. Robert C. Seamans, Jr. illus tabs AF Mag 55:46-49 May '72

Navy's choice of North American V/STOL fighter stirs intra-service, technical, and industry debate. Benjamin F. Schemmer. illus Armed Forces J 109:36-39 Jul '72

New STOL transport planned. AF Times 32:42  
Jun 28 '72

Only AF, NASA lean to STOLs. AF Times 33:59  
Dec 6 '72

USAF okays bigger cargo option on STOL transport. Armed Forces J 109:21 Jan '72

USMC/DOD/V/STOL Exercise (Versatile Warrior) validates AV-8A Harrier goals. Brooke Nihart. illus Armed Forces J 109:52-53 May '72

VTOL: There's a long way to go. Sam Butz. illus Govt Exec 4:52 May '72

What will the new STOL look like? Sam Butz. Govt Exec 4:50-51 May '72

With reputation and esprit intact. (Marines look to the future) Brooke Nihart. illus Sea Power 15:18-23 Apr '72

AIRPLANES IN AGRICULTURE

They shoot sick plants. (58th Weather Reconnaissance Sq tracks corn blight) Ed Blair. illus Airman 16:52-55 Feb '72

AIRPLANES IN BUSINESS

Another thoroughbred from Dassault--Falcon 10 flight report. D. H. Chopping. tabs illus (Also cutaways) Interavia 27:147-149 Feb '72

Cessna and Reims Aviation: Bigger sales push in 1972. Martin Deskau. illus tabs Interavia 27:150-152 Feb '72

Flying the Cessna Citation. D. H. Chopping. illus tab Interavia 27:470-471 May '72

It ain't necessarily so. (Vertical illusion) illus USA Avn Dig 18:56-59 Jul '72

AIRPLANES IN BUSINESS - Continued

- New power proposal for Lockheed JetStar. J. Philip Geddes. illus (Also cutaway) tabs Interavia 27: 1094-1095 Oct '72
- Newest member of the Cessna family: The 340. illus tab Interavia 27:153 Feb '72
- 1973--the year of the business jet--a report on the NBAA (National Business Aircraft Assoc) show. J. Philip Geddes. illus Interavia 27:1257-1259 Nov '72
- Production Corvette ready for flight test. illus tab Interavia 27:1092-1093 Oct '72

AIRPLANES IN COUNTERINSURGENCY see COIN AircraftAIRPLANES IN FIRE FIGHTING

- Forests--putting out the fire (with the CL-215). illus Govt Exec 4:13 Jan '72

AIRPLANES IN MEDICAL SERVICE

- First C-9A medical jets slated for o'sea delivery. AF Times 32:15 Mar 1 '72
- Kidney airlift sets 'first.' illus AF Times 32:38 Apr 12 '72

AIRPLANES IN PATROL WORKHistory

- Wings over the border: The Army Air Service Armed Patrol of the United States-Mexico border, 1919-1921. Stacy C. Hinkle. illus maps Am Avn Hist Soc J pt 1, 17:184-190 Fall '72

AIRPLANES IN RESCUE WORK

- Air rescue in Southeast Asia--right from Hanoi's own backyard. Edgar Ulsamer. illus AF Mag 55: 30-34 Oct '72
- Flying, floating and fighting angels (5th Air Force's 3d Emergency Rescue Sq). George A. Reynolds. illus Aerosp Hist 18:200-202 Dec '71
- The mission of T-3. (Training pararescue men near Alaska) Sgt Dave Cole. illus Airman 16:2-6 May '72
- A page from history--OS2U Kingfisher. illus Approach 17:14-17 Mar '72

AIRPORTS

- Airports and equipment manufacturers under one roof. (2d International Airport Construction and Equipment Exhibition and the 12th Annual Congress of the International Civil Airports Assoc, Geneva, June 19-23, 1972) Klaus Höhle. illus Interavia 27: 870-872 Aug '72
- Dissemination of meteorological information at large airports. L. Thibord. illus Interavia 27:76-77 Jan '72
- On-airport transfer functions. Oliver D. Bennett and Michael J. Overall. illus Interavia 27:642-643 Jun '72

Design

- Airport medical design guide (with comment on certain operational matters). Stanley R. Mohler and Joseph A. Sirkis. illus Aerosp Med 43:903-911 Aug '72
- Airport planning requirements--an airline view. Reginald J. Sutherland. illus Interavia 27:637-639 Jun '72
- Airport terminal design--the passenger's point of view. Rolf H. Wild. illus tab Interavia 27:640-641 Jun '72

AIRPORTS - ContinuedDesign - Cont'd

- Roissy-en-France: Massive dimensions in manageable units. Klaus Höhle. illus Interavia 27:1208-1210 Nov '72

Equipment

- Airport medical design guide (with comment on certain operational matters). Stanley R. Mohler and Joseph A. Sirkis. illus Aerosp Med 43:903-911 Aug '72

Exhibitions

- Airports and equipment manufacturers under one roof. (2d International Airport Construction and Equipment Exhibition and the 12th Annual Congress of the International Civil Airports Assoc, Geneva, June 19-23, 1972) Klaus Höhle. illus Interavia 27: 870-872 Aug '72

Landing Aids

- Airport lighting and power supplies--the final landing aid. illus Interavia 27:499-501 May '72
- The long road to Category III. illus tab Interavia 27:620 Jun '72
- Plessey's move into Category III ILS. illus Interavia 27:249 Mar '72
- Seeing is deceiving. (Adapted from Interceptor, Dec 1970) illus Interceptor 14:8-12 Oct '72
- Why aviation needs a new landing aid. Charles D. LaFond. tab Govt Exec 4:75+ Oct '72

France

- Paris airport's Jacques Block looks toward 2000. Klaus Höhle. illus map Interavia 27:1102-1104 Oct '72
- Roissy-en-France: Massive dimensions in manageable units. Klaus Höhle. illus Interavia 27:1208-1210 Nov '72

Germany (Federal Republic)

- Frankfurt Rhine-Main: The troubled history of a major airport. Klaus Höhle. illus Interavia 27:644-646 Jun '72

Switzerland

- Swiss airports--an environmental/financial dilemma? illus tab Interavia 27:720-721 Jul '72

United States

- Atlanta airport 2d in traffic--top employer in Georgia. AF Times 32:46 Jul 12 '72
- The city that refused to fail. (Bangor, Maine opened airport after closing of Dow AFB) Capt Gary A. Guimond. illus Airman 16:37-39 Jun '72
- Is relief in sight for the airports? (Interview with John H. Schaffer) Joan Feldman. illus Govt Exec 4:57-58 May '72

AIRSHIPSSee also

- Balloons
- The airship--heavy lift transport. SqLdr J. Delafield. Royal Air Forces Qtr 11:304-309 Winter '71
- Pipe dream or possibility. (The airship) F. W. Hyde. illus tab Interavia 27:1008-1009 Sep '72
- The zeppelin: Dinosaur of the sky. J. David Truby. illus Army 22:34-37 Sep '72

AIRSICKNESS see Motion Sickness



AIRSPACE

ICAO and you. Maj James P. Leger. Combat Crew  
23:26-27 Jan '72

Tightrope to Berlin. MSgt L. B. Leonberger. illus  
Airman 16:12-15 Jun '72

Why USAASO (U.S. Army Aeronautical Services  
Office) sez? Col George Rogers. illus USA Avn  
Dig 18:18-22 Jan '72

AIRWAYS

Implementing area navigation. tabs Interavia 27:616-  
617 Jun '72

ALASKAHistory

Land of the red-gold sun. Dave Cole. illus Airman  
16:2-6 Mar '72

ALASKAN AIR COMMAND

AAC--top cover for America. illus tab chart AF Mag  
55:111-113 May '72

Alaska air developments. Albert C. Piccirillo. illus  
Am Avn Hist Soc J 17:126-131 Summer '72

Alaskan Air Command: Guardians of America's last  
frontier. illus Contact 25:2-5 Nov-Dec '71

Alaskan 'enemy' beaten (in Exercise Ace Card V).  
AF Times 33:45 Dec 27 '72

Hub of a saving wheel. (Rescue Coordination Center,  
Elmendorf AFB, Alas) Sgt Dave Cole. illus Air-  
man 16:13-15 Jan '72

In the winter of '70. (Servicing F-4's for 43d TFS  
at Elmendorf AFB, Alas) Sgt Dave Cole. illus  
Airman 16:20-22 Apr '72

Land of the red-gold sun. Dave Cole. illus Airman  
16:2-6 Mar '72

30 planes continue Boggs search. AF Times 33:40  
Nov 22 '72

ALASKAN COMMAND

Alaskan Command sets 'pioneering' mark--joint  
operation celebrates 25th birthday. illus AF Times  
32:28 Jul 5 '72

ALBERT, Carl

Albert emphasizes duty of Americans to defend nation  
(in accepting Minute Man Award at ROA Banquet,  
ROA Mid-Winter Meeting, Feb 25, 1972). por  
Officer 48:6-8 Apr '72

ALCOHOLIC BEVERAGES

AF Form 579, "Ward alcoholics and narcotics regis-  
ter." TIG Brief 24:16 Sep 1 '72

Air Force recognizes alcoholism often is a prevent-  
able and treatable condition. TIG Brief 24:13  
Aug 18 '72

Alcoholics accepting help. AF Times 33:3 Dec 13 '72

Alcoholics offered aid. George Foster. AF Times  
33:1+ Sep 13 '72

Alcoholism. Bob Reed. illus Airman 16:28-33 Dec '72

Effects of different alcohol dosages and display  
illumination on tracking performance during  
vestibular stimulation. Richard D. Gilson and  
others. illus tabs Aerosp Med 43:656-660 Jun '72

From bottle to throttle. Capt Nathaniel E. Villaire.  
illus TAC Attack 12:12-13 Jul '72

Hidden forms of drug abuse. Maj Barrett M. Malet-  
sky. USA Avn Dig 18:8-11 Nov '72

ALCOHOLIC BEVERAGES - Continued

High court takes liquor tax case. AF Times 33:2  
Nov 29 '72

"Implied consent" for chemical testing. TIG Brief  
24:21 Mar 10 '72

Intemperance can become a tyrant. MajGen A. S.  
Newman, Ret. illus Army 22:41-42 Aug '72

Intoxicating liquor and the general aviation pilot in  
1971. Leonard C. Ryan and Stanley R. Mohler.  
illus tabs Aerosp Med 43:1024-1026 Sep '72

Juice. Barney Halloran. illus Soldiers 27:4-12 Oct '72

Medical treatment offered alcoholics. AF Times  
32:2 Mar 22 '72

The needle and the bottle. Pauline Cheesborough.  
illus Soldiers 27:39-41 Sep '72

New iron for NATO's backbone. (7th Army deals with  
internal problems) L. James Binder. illus Army  
22:6-15 Jul '72

The 'other war' on drugs, alcohol. BrigGen Robert  
G. Gard, Jr. illus Army 22:107-108 Oct '72

Prediction of flight safety hazards from drug induced  
performance decrements with alcohol as reference  
substance. Karl E. Klein. illus tab Aerosp Med  
43:1207-1214 Nov '72

16 service clubs test 'now' lures. Sue Toma. AF  
Times 32:1+ Apr 26 '72

Vestibular response to angular accelerations and to  
coriolis stimulation following alcohol ingestion.  
Ronald J. Hill and others. illus tabs Aerosp Med  
43:525-532 May '72

Veterans drug help urged--Senate passes bill. AF  
Times 33:6 Sep 27 '72

ALDER, Louis O.

Meet BrigGen Louis O. Alder, DCS/Comptroller,  
AFSC. por AF Compt 6:1+ Jul '72

ALDRIN, Edwin E., Jr

'Buzz' Aldrin to retire. AF Times 32:5 Jan 26 '72

ALERT SYSTEMSSee also

Warning Systems

ALGERIA

French armor in Algeria. LtCol Michel A. Henry.  
illus maps Armor 81:12-16 Nov-Dec '72

ALL-WEATHER FLYING

Air Inter and Air France--crew training for automatic  
flight. illus tab Interavia 27:63-64 Jan '72

Auto.natic flight: BEA's low visibility programme.  
illus Interavia 27:123-125 Feb '72

Beware the ides of December. Maj Joseph M. Kovac,  
Jr. illus Interceptor 14:20-23 Dec '72

Cold weather operations. TIG Brief 24:3-4 Dec 8 '72

Instrument flight without instruments. Capt Philip G.  
Carthage. illus USA Avn Dig 18:4-5+ Oct '72

See it like it is. (REPCON, rain REpellant and  
surface CONditioner) illus Aerosp Safety 28:12-13  
Feb '72

That frigid old man is here again. Ted Kontos. illus  
USA Avn Dig 18:36-39 Dec '72

ALL-WEATHER FLYING - Continued

Warning! Severe weather ahead. illus Approach 17:4-6 Jun '72

When winter comes. illus Approach 18:26-30 Nov '72

ALLIANCES see Treaties and AlliancesALLIED AIR FORCES, CENTRAL EUROPE see Allied Forces, Central EuropeALLIED AIR FORCES, SOUTHERN EUROPE see Allied Forces, Southern EuropeALLIED COMMAND ATLANTIC

ACLANT mobile logistics: A requirement for standardization. RAdm Robert W. Timbrell. illus NATO's Fifteen Nations 17:82-84+ Feb-Mar '72

(ADM Ralph Wynne) Cousins takes SACLANT post. illus Sea Power 15:35 Nov '72

Allied Command Atlantic. ADM Robert Lee Dennison, Ret. illus NATO's Fifteen Nations 17:16-19 Feb-Mar '72

The Allied Command Atlantic submarine challenge. CDR J. O. Naugle. illus NATO's Fifteen Nations 17:62-68 Feb-Mar '72

Allied Command Atlantic's Antisubmarine Warfare Research Centre. illus NATO's Fifteen Nations 17:70-75 Feb-Mar '72

Former SACLANT's. illus NATO's Fifteen Nations 17:24-26 Feb-Mar '72

Iberian Atlantic Area Command. RADM Eugene B. Fluckey. illus map NATO's Fifteen Nations 17:90-91+ Feb-Mar '72

The maritime equation--SACLANT in the 1970s. ADM Charles K. Duncan. illus NATO's Fifteen Nations 17:28-35 Feb-Mar '72

NATO's Striking Fleet Atlantic. VADM Vincent Paul de Poix. illus NATO's Fifteen Nations 17:38-44 Feb-Mar '72

SACLANT's 20th anniversary. illus chart NATO's Fifteen Nations 17: entire issue Feb-Mar '72

Standing Naval Force Atlantic. CAPT Raymond W. Allen. illus NATO's Fifteen Nations 17:46-52 Feb-Mar '72

Organization

SACLANT's 20th anniversary. illus chart NATO's Fifteen Nations 17: entire issue Feb-Mar '72

ALLIED COMMAND EUROPESee also

Allied Forces, Central Europe

Allied Forces, Southern Europe

ACE in the hole! Logistics support of the ACE Mobile Force. Maj Robert C. Barrett. illus charts Army Log 4:20-23+ Jan-Feb '72

ALLIED FORCES, CENTRAL EUROPE

Allied land forces in NATO's European central region. Gen Jürgen Bennecke. illus NATO's Fifteen Nations 17:49-56 Jun-Jul '72

The modernization of 2(d) ATAF (Allied Tactical Air Force). Maj Wilfried Dallmann. illus NATO's Fifteen Nations 16:125-132 Dec '71-Jan '72

T hour plus 2 1/2. (U.S. Forces in Western Europe) Jac Weller. illus Review 51:17-19+ Jan-Feb '72

ALLIED FORCES, SOUTHERN EUROPE

Air Guard gets workout over Turkey (in NATO Exercise Deep Furrow). LtCol Theodore C. Wagner. illus Natl Guardsman 26:8-9 Jan '72

ALLIED LAND FORCES, SOUTHEASTERN EUROPE see Allied Forces, Southern EuropeALLIED MILITARY IN THE U.S.See also

Exchange Programs, Military

Getting to know you. (Fort Bliss, Tex, Allied Military Program) SP4 Chuck Noland. illus Soldiers 27:24-25 Feb '72

History

First Leavenworth allied student (Lt Henri Charles LeComte of Switzerland). Col William P. Pipkin. illus Mil Rev 52:3-7 Dec '72

ALLMAN, Conrad S.

'Cautious optimism' about the volunteer force. Interview. BrigGen Conrad S. Allman. por AF Mag 55:56-59 Aug '72

Recruiting in an all-volunteer environment. (Address. Armed Services Committee, Spokane Chamber of Commerce, and Spokane Chapter, Air Force Assoc, Spokane, Aug 31, 1972) BrigGen Conrad S. Allman. AF Plcy Ltr for Comdrs: Sup No. 10:13-16 Oct '72

ALTIMETERS

Apollo 16. illus Space World I-7-103:4-12 Jul '72

Automatic altitude reporting. illus Approach 18:20-21 Jul '72

Chop, drop, and plop. (Non-precision approach) illus tabs MAC Flyer 19:3-7 Aug '72

ALTITUDE, INFLUENCE OF see Aviation--Physiological AspectsALTITUDE FLYING

Blowup. (Dysbarism) illus Approach 17:26-30 May '72

Doc talk. (Flying above 50,000 feet without a pressure suit) Maj Frederic M. Brown. Interceptor 14: 20-21 Sep '72

In flight line of sight. Capt John W. Louer. Combat Crew 23:16 Mar '72

Low level (navigation) proficiency. Capt Carl A. Meyer. illus USA Avn Dig 18:2-5 Apr '72

Misuse of oxygen systems in jet fighter aircraft. TIG Brief 24:5 Apr '72

That extra margin (anti-G suit). illus Approach 17: 10-13 Mar '72

A tragedy of "airs." Maj Frederic M. Brown. Interceptor 14:20-23 Apr '72

The way of the future: Low level. LtCol Donald R. Hull. illus USA Avn Dig 18:2-3+ Oct '72

AMATEUR RADIO OPERATORS (HAMs) see Radio OperatorsAMBUSH see Surprise in WarfareAMERICAN EXPEDITIONARY FORCE

A. E. F. combat airfields and monuments in France. WW I. Royal D. Frey. illus map Am Avn Hist Soc J 17:194-200 Fall '72

The A. E. F. through French eyes. Lee Kennett. illus Mil Rev 52:3-11 Nov '72

AMERICAN FORCES RADIO AND TELEVISION SERVICE

American Forces Radio and Television outlets. TIG Brief 24:21-22 Jul 28 '72



# AMERICAN FORCES RADIO AND TELEVISION SERVICE AMPHIBIOUS FORCES - Continued

- Continued

Senate unit expands television in Europe. AF Times 33:51 Oct 18 '72

Television service expands in Europe. Lee Ewing. AF Times 32:22 Mar 8 '72

## AMERICAN INDIANS

Engineers (from Offutt AFB, Neb) aid Santee Sioux. Lt Richard L. Holman. illus AF Times 33:32 Aug 9 '72

From Sand Creek to My Lai: Misunderstandings surround military misadventures. William Gardner Bell. illus map Armor pt 1, The Sand Creek massacre. 81:6-12 May-Jun '72; pt 2, The Piegan massacre. 81:22-26 Jul-Aug '72; pt 3, The battle of Wounded Knee. 81:30-35 Sep-Oct '72

## AMERICAN LOGISTICS ASSOCIATION

Association news. Regular feature in some issues of Review

(History and activities of the American Logistics Assoc) (Statement before the House Armed Services Committee Subcommittee on Non-Appropriated Fund Activities) LtGen A. T. McNamara. Ret. Review 52:29+ Jul-Aug '72

## AMERICAN ORDNANCE ASSOCIATION

For the common defense. Louis Polk. Ordnance 56:376-378 Mar-Apr '72

## AMERICANS IN FOREIGN COUNTRIES

See also

People-To-People Program

USAF Area Specialist Program. Majs James S. Austin, Jr and Jimmy Mitchell. illus AU Rev 23:65-71 Jul-Aug '72

### History

China Marine (Sgt Albert C. Marts). Robert M. Leventhal. illus MarCor Gaz 56:36-42 Nov '72

## AMMUNITION

A better rifle cartridge. Arthur Miller. illus tabs Ordnance 56:310-313 Jan-Feb '72

Field artillery equipment. tabs illus Fld Artilleryman No. 50:4-49 Oct '72

A plus for firepower. (Dual-purpose 40-mm round M433 shoulder-fired from the lightweight M79 launcher) Wallace J. Harvey. illus Ordnance 57:142-143 Sep-Oct '72

## AMNESTY

Amnesty: No easy solution. Bruce Callander. AF Times 32:13 Mar 8 '72

Amnesty offered addicts (by AF). AF Times 32:4 Jul 5 '72

DOD opposes amnesty--wants issue deferred. AF Times 32:18 Mar 15 '72

DOD, veterans rebuff Kennedy on amnesty. Armed Forces J 109:12-13 Apr '72

Pentagon replies to amnesty pleas. AF Times 32:3 Jan 26 '72

## AMPHIBIOUS FORCES

By forcible entry. (Navy/Marine Corps amphibious assault forces) Col J. B. Soper. illus MarCor Gaz 56:19-26 Aug '72

The evolution of amphibious air-ground landing force communications requirements. (Address, AFCEA, Washington, June 7, 1972) Col Edward J. Driscoll, Jr. illus Signal 27:20-22 Sep '72

Flexible response and the Marine Corps. LtCol A. E. Andersen. illus MarCor Gaz 56:40-44 Jan '72

Hazards of seabase. Col Verle E. Ludwig. illus MarCor Gaz 56:18-25 Feb '72

Improving MAF (Mobile Amphibious Force) capability. LtCol Edward J. Clarkson. MarCor Gaz 56:55-56 Jun '72

Paloondra! (Resurgence of the Soviet Naval Infantry) LtCol D. K. Cliff. illus tab MarCor Gaz 56:18-27 Jan '72

Roles and missions: Time for a change. Capt James H. Webb. illus tabs MarCor Gaz 56:19-26 Mar '72; Comment. Col J. E. Greenwood. 56:56 Apr '72; Comment. Col Marc A. Moore and LtCol Alfred J. Croft, Jr. 56:18-24 Jun '72

Sea-based landing force operations: An evolutionary development. MajGen Lawrence F. Snowden and Maj Marshall N. Carter. illus US Nav Inst Proc 98:105-108 Nov '72

## AMPHIBIOUS OPERATIONS

Amphibious communications. Capt Rudy J. Wadle. MarCor Gaz 56:43-44 Apr '72

Antilanding defence. LtCol V. Kokhanov. illus Soviet Mil Rev No. 8:14-17 Aug '72

Command and control (in Marine amphibious operations). Majs T. J. Lapham and R. L. Lary, Jr. illus MarCor Gaz 56:38-42 May '72

Defence of coast. Col I. Vorobyov. illus Soviet Mil Rev No. 8:10-13 Aug '72

The elements of air control. MarCor Gaz 56:54 Jun '72

Hazards of seabase. Col Verle E. Ludwig. illus MarCor Gaz 56:18-25 Feb '72

Improving MAF (Mobile Amphibious Force) capability. LtCol Edward J. Clarkson. MarCor Gaz 56:55-56 Jun '72

The LVTP7 and the surface assault. Maj J. H. Alexander. illus tabs MarCor Gaz 56:31-36 Jun '72

New strategy for NATO's northern flank--(Exercise) Strong Express features U.S. amphibious forces. John G. Norris. illus maps Sea Power 15:12-17 Dec '72

Paloondra! (Resurgence of the Soviet Naval Infantry) LtCol D. K. Cliff. illus tab MarCor Gaz 56:18-27 Jan '72

The pre-war era. Col John E. Greenwood. illus MarCor Gaz 56:33-37 Sep '72

The protest at (Exercise) Snowy Beach. CDR Ralph W. Blanchard. illus US Nav Inst Proc 98:118-122 Jul '72

Restore shipboard experience. Maj Malcolm E. Smith, Jr. illus MarCor Gaz 56:52-53 Jun '72

Sea-based landing force operations: An evolutionary development. MajGen Lawrence F. Snowden and Maj Marshall N. Carter. illus US Nav Inst Proc 98:105-108 Nov '72

Seaborne landing at Novorossiisk. Capt B. Balev. illus map Soviet Mil Rev No. 7:40-42 Jul '72



AMPHIBIOUS OPERATIONS - Continued

The Soviet desant concept. C. L. Donnelly. (Reprinted from Royal United Services Institute for Defence Studies Journal, Sep 1971) illus Intl Def Rev 4:544-546 Dec '71

USMC/DOD/V/STOL Exercise (Versatile Warrior) validates AV-8A Harrier goals. Brooke Nihart. illus Armed Forces J 109:52-53 May '72

With reputation and esprit intact. (Marines look to the future) Brooke Nihart. illus Sea Power 15:18-23 Apr '72

History

Inchon landing. (Marine Corps amphibious attack on North Korea) B. F. Halloran. illus MarCor Gaz 56:25-32 Sep '72

Tracked landing vehicles. James D. Mason. illus Ordnance 56:314-318 Jan-Feb '72

AMPHIBIOUS VEHICLES

German tactical river crossings for the 1980's. LtCol Joachim K. W. Zickert. illus Mil Engr 64:1-4 Jan-Feb '72

The LVTP7 and the surface assault. Maj J. H. Alexander. illus tabs MarCor Gaz 56:31-36 Jun '72

(Marine) Corps to receive LVTP-7. MarCor Gaz 56:7 Jan '72

Skid operations aboard the amphib. CDR Edward W. Hille and others. illus Approach 18:18-22 Sep '72

Tracked landing vehicles. James D. Mason. illus Ordnance 56:314-318 Jan-Feb '72

Water propulsion. I. Robert Ehrlich. illus Armor pt 1, 81:24-29 Nov-Dec '72

The West German Spähpanzer--8x8 armored reconnaissance vehicle. Capt V. Roger duPont, Jr. illus Armor 81:27-28 Mar-Apr '72

AMPHIBIOUS WARFARE see Amphibious OperationsAMPHIBIOUS WARFARE SHIPS

By forcible entry. (Navy/Marine Corps amphibious assault forces) Col J. B. Soper. illus MarCor Gaz 56:19-26 Aug '72

ANCHORAGE AND MOORING OF SHIPS see Ships--  
MooringANDERSON, Earl E.

Gen Earl E. Anderson takes office as Asst CMC. MarCor Gaz 56:2 Apr '72

Marine Commandant gets 'alter ego'--General Anderson in profile. Brooke Nihart. por Sea Power 15:25-26 Jul-Aug '72

ANDERSON, George W., Jr

Needed--discipline at the top. Interview. ADM George William Anderson, Jr, Ret. por Armed Forces J 110:40+ Oct '72

ANECDOTES, MILITARY

From stern to stern--the tightest ship afloat. illus Armed Forces J 110:32-36 Oct '72

Ghosts on your post? Barney Halloran. illus Soldiers 27:30-36 Oct '72

Humor is no laughing matter! Capt Peter M. Elson. illus Infantry 62:16-19 Mar-Apr '72

Once a Marine, always a Marine. illus Armed Forces J 110:34-35+ Nov '72

ANECDOTES, MILITARY - Continued

"Valley Forge, Custer's ranks, San Juan Hill and Patton's tanks..." An Army is born. illus Armed Forces J 109:34-35+ Jun '72

ANIMALSSee alsoDogs

The biological background of war--thoughts of a biologist. August Brinkman, Jr. Army Qtr 102:427-437 Jul '72

ANIMALS IN RESEARCH

Effect of a 30-day isolation stress on calcium, phosphorus and other excretory products in an unrestrained chimpanzee. (Stresses that might occur during prolonged orbital flight) I. M. Sabbot and others. illus tabs Aerosp Med 43:142-148 Feb '72

Microwave cataractogenesis: A critical review of the literature. William C. Milroy and Sol M. Michaelson. Aerosp Med 43:67-75 Jan '72

Micturition patterns of an unrestrained chimpanzee under entrained and free running conditions. (Stresses that might occur during prolonged orbital flight) T. Hoshizaki and others. illus Aerosp Med 43:149-154 Feb '72

Sleep-wake cycle of an unrestrained isolated chimpanzee under entrained and free running conditions (Stresses that might occur during prolonged orbital flight) J. J. McNew and others. illus tabs Aerosp Med 43:155-161 Feb '72

ANNAPOLIS, MD, NAVAL ACADEMY see Naval Academy, Annapolis, MdANTARCTIC REGIONS

AFers winter in Antarctica. (Operation Deep Freeze) illus AF Times 32:38 Mar 1 '72

Operation Deep Freeze. Capt Glenn R. Barnett. illus Navigator 19, No. 1:2-4 '72

ANTARCTIC RESEARCH

Journey to the ice. Robert P. Everett. illus Airman 16:24-28 Mar '72

MAC's role in Deep Freeze. Edward J. Belz. illus AU Rev 23:34-43 May-Jun '72

Water on Mars might not support life. Space World 1-8-104:42 Aug '72

ANTENNAS

A controllable feedhorn. SP5 Walter Blake. illus Signal 27:27 Nov '72

Earth stations for space communications. illus Space World 1-3-99:25-27 Mar '72

Heliborne doppler. John Woodworth. illus tab Elect Warfare 4:12+ Convention Issue '72

On the search for extra-solar intelligence. R. P. Haviland. tabs Spaceflight 14:217-219+ Jun '72

Radar cross section of phased array antennas. James M. Flaherty. illus tab Elect Warfare 4:8+ Spring '72

2-state antenna system--Loran D facility. AF Times 33:58 Nov 22 '72

Testing

Wideband antenna test facility. Anthony J. Lombardi and Michael Polgar. illus Signal 27:6-10 Nov '72

ANTI-AIRCRAFT ARTILLERY see Artillery, Anti-aircraft

ANTI-AIRCRAFT MISSILES see Missiles, Anti-aircraft

ANTIBALLISTIC MISSILES see Missile Defense

ANTIMILITARISM see Militarism

ANTISHIP MISSILES see Missiles, Antiship

ANTISUBMARINE WARFARE

See also

Submarine Warfare

ASW from the air--the P-3C Orion in operation.  
J. Philip Geddes. illus tab Intl Def Rev 5:27-29  
Feb '72

ASW--the crucial naval challenge. CAPT Robert H.  
Smith, Ret. illus US Nav Inst Proc 98:126-141  
May '72

Allied Command Atlantic's Antisubmarine Warfare  
Research Centre. illus NATO's Fifteen Nations  
17:70-75 Feb-Mar '72

The "CV": Capable vigilance or continued vulnerabil-  
ity? LT James T. Coogan, Jr. illus US Nav Inst  
Proc 98:117-119 Mar '72

Lockheed S-3A Viking--a new weapon against the sub-  
marine. tabs illus (Also cutaway) Interavia 27:59-  
62 Jan '72

Lockheed's latest ASW aircraft--the S-3A. illus  
(Also cutaway) tabs Intl Def Rev 5:30-32 Feb '72

New roles for the submarine. Paul Cohen. illus map  
US Nav Inst Proc 98:31-37 Sep '72

The old enemy. John W. R. Taylor. illus Royal Air  
Forces Qtr 12:157-164 Autumn '72

The silent threat. VADM Fred G. Bennett. illus  
NATO's Fifteen Nations 17:101-108 Feb-Mar '72

Soviet ASW. STCM James C. Bussert. illus tab  
US Nav Inst Proc 98:112-116 Aug '72

Strategic options and total force concepts. Interview.  
Gen George S. Brown. illus AF Mag 55:39-44  
May '72

Submarine and antisubmarine: A perspective.  
CAPT James A. Sagerholm. illus US Nav Inst Proc  
98:84-86 Sep '72

Submarine defense. C. G. Milner. illus Intl Def Rev  
5:477-481 Oct '72

#### Equipment

ASW--the crucial naval challenge. CAPT Robert H.  
Smith, Ret. illus US Nav Inst Proc 98:126-141  
May '72

Submarine and antisubmarine: A perspective.  
CAPT James A. Sagerholm. illus US Nav Inst Proc  
98:84-86 Sep '72

Submarine defense. C. G. Milner. illus Intl Def Rev  
5:477-481 Oct '72

#### History

The first ASW vessels. Anthony Preston. illus US  
Nav Inst Proc 98:82-83 Oct '72

#### Study and Teaching

The ASW officer: "Jack of all trades, master of  
none." Robert R. Mackie. illus US Nav Inst  
Proc 98:34-40 Feb '72

ANTITANK WEAPONS see

Armored Warfare

Artillery, Antitank

Missiles, Antitank

APPROPRIATIONS AND EXPENDITURES

#### Air Force--U.S.

(AF) building funds cut slightly. AF Times 32:2  
Jul 5 '72

Air Force appropriations request. FY-73 (Statement  
to Senate Committee on Appropriations, Feb 16,  
1972) Robert C. Seamans, Jr. illus tabs AF Plcy  
Ltr for Comdrs: Sup No. 4:2-28 Apr '72

Annual authorization legislation. Maj Cecil W.  
Williams. illus AF JAG L Rev 14:103-105  
Spring '72

Base level financial statement. TIG Brief 24:21  
Aug 18 '72

Budget cuts aircraft buys. AF Times 32:3 Feb 9 '72

Deobligation of Economy Act orders. TIG Brief 24:6  
Jul 14 '72

EM may face more work details. Bob Towle. AF  
Times 33:1+ Sep 27 '72

Hardware (appropriation) bill approved. AF Times  
33:3 Oct 25 '72

Managers discuss funding crisis. Bob Towle. AF  
Times 33:1+ Sep 13 '72

New fiscal year to ease squeeze--all ranks affected.  
AF Times 32:19 May 24 '72

'People' funds suffer slashes. Bob Towle. AF Times  
33:1+ Sep 6 '72

SAC moves announced. Ed Gates. AF Times 32:1+  
Mar 15 '72

#### Armed Forces

Comparative defence expenditure, gross national  
product and manpower figures, 1951-1971. Lon-  
don's International Institute for Strategic Studies.  
Tables only. AF Mag 55:104-105 Dec '72

Defence expenditure and national economies. London's  
International Institute for Strategic Studies. Table  
only. AF Mag 55:103 Dec '72

#### Armed Forces-- China (People's Republic)

China: An emerging military superpower. Charles H.  
Murphy. illus tab AF Mag 55:52-57 Jul '72

#### Armed Forces--Russia

U.S. dollar purchasing power of Soviet defence ex-  
penditure. London's International Institute for  
Strategic Studies. AF Mag 55:52 Dec '72

#### Armed Forces--U.S.

American civil-military relations in the 1980's. Col  
Richard F. Rosser. illus Nav War Col Rev 24:6-23  
Jun '72

Combat-ready status ordered for Reserves. Ed  
Gates. AF Times 32:1+ Mar 1 '72

Congressional action on FY 72 major weapons pro-  
grams (in \$-millions). Table only. Armed  
Forces J 109:48-49 Mar '72

Electronic warfare: Essential element of deterrence.  
Interview. BrigGen Theodore S. Coberly. illus  
AF Mag 55:36-41 Jul '72

FY 72 audit trail through the 92d Congress. (Weapons  
procurement and R&D) Table only. Armed  
Forces J 110:16-17 Dec '72

FY 73 procurement (in \$-millions). Table only.  
Armed Forces J 109:50 Mar '72

## APPROPRIATIONS AND EXPENDITURES - Continued

Armed Forces--U. S. - Cont'd

- General Purpose Forces down slightly (in FY 73 budget). Brooke Nihart. Armed Forces J 109:44+ Mar '72
- Hardware cut by \$450 million. AF Times 32:4 May 10 '72
- House unit OKs hardware bill. Bob Horowitz. AF Times 32:3 Jun 28 '72
- How the pie is sliced, by Service and by program function, fiscal years 1971-1973. Table only. Armed Forces J 109:30-31 Mar '72
- The lonely landslide. Claude Witze. illus AF Mag 55:16+ Dec '72
- McGovern cuts analyzed--Laird makes study. AF Times 32:22 Jul 26 '72
- Main U.S. Defense budget proposals for FY 1973. Table only. Intl Def Rev 5:123 Apr '72
- Money laws expire in '73. Randy Shoemaker. AF Times 32:1+ Jul 19 '72
- Personnel budget: Fewer people, higher pay; re-computation in. James D. Hessman. tab Armed Forces J 109:34-35 Mar '72
- Personnel cut seen as modest in '73. AF Times 32:20 Feb 2 '72
- Procurement measure wins House approval. AF Times 32:51 Jul 19 '72
- 6.4% pay hike asked. Bob Horowitz. tab AF Times 32:1+ Feb 9 '72
- Strategic deterrence up 16% to meet continued Soviet threat. Brooke Nihart. Armed Forces J 109:45-46 Mar '72

Where does the Navy go from here? Arnold M. Kuzmack. illus tabs Mil Rev 52:37-51 Feb '72

Atomic Energy Commission--U. S.

- Everybody up (in FY 73 budget): Engineers, VA, MarAd, AEC, NASA, USCG. James D. Hessman. Armed Forces J 109:40-41 Mar '72

Coast Guard--U. S.

- Everybody up (in FY 73 budget): Engineers, VA, MarAd, AEC, NASA, USCG. James D. Hessman. Armed Forces J 109:40-41 Mar '72

Defense Dept--Great Britain

- Britain's defense budget. Armed Forces J 109:23 Apr '72
- Defence procurement--a heretical view? Ian Bellany. RUSI J for Def Studies 117:37-39 Mar '72
- The United Kingdom's mod MOD (Ministry Of Defense) financial management. Steve Canton. illus AF Compt 6:2-7 Jan '72

History

- The ten year rule--the historical facts. (Comment on articles by P. Silverman and K. Booth, Royal United Service Institution Journal, March 1971; Royal United Services Institute for Defence Studies Journal, Sep 1971) Stephen Roskill. illus RUSI J for Def Studies 117:69-71 Mar '72

Defense Dept--Israel

- The financial impact of the six-day war on the economy of Israel. Rena Gutman. illus tabs Armed Forces Compt 17:4-9+ Winter '72

## APPROPRIATIONS AND EXPENDITURES - Continued

Defense Dept--U. S.

- Battle of the budget. (Address, 54th Annual Meeting, American Ordnance Assoc, Washington, May 11, 1972) Robert C. Moot. tabs Ordnance 57:36-39 Jul-Aug '72
- The budget: Brand new shopping list. illus Govt Exec 4:30 Apr '72
- Budget myths and realities. Claude Witze. AF Mag 55:12-13 Oct '72
- The China factor in the ABM debate: Chronicle of a rationale. Harry E. T. Thayer, tab Forum No. 14: 1-59 Winter '71
- Comptroller on (budget) justification problems. Interview. Robert C. Moot. illus Govt Exec 4:17-18 May '72
- Controlling Defense costs. (Address, National Security Industrial Assoc Cost Symposium, Washington, Aug 1972) Kenneth Rush. Signal 27: 15-18 Dec '72
- DOD report says spending upped by 'people' costs. AF Times 33:19 Aug 23 '72
- Defense and the taxpayer. Robert L. F. Sikes. Mil Engr 64:22-23 Jan-Feb '72
- Defense budget and management problems. Robert C. Moot. illus Review 51:20-22+ Mar-Apr '72
- The Defense budget: Does security compete with domestic needs? Seymour Melman. Persp in Def Mgt, pp 7-14, Spring '72
- The Defense budget: Realities of deterrence and strategic priority. John S. Foster, Jr. Persp in Def Mgt, pp 1-5, Spring '72
- Defense budgets: Ike, Nixon and McGovern. LtGen Ira C. Eaker, Ret. AF Times 33:13 Sep 6 '72
- The Defense debate: 1972. (Sen McGovern vs Melvin Laird) illus Natl Guardsman 26:10-14 Aug-Sep '72
- Defense programs in spotlight as legislators begin election year session. James D. Hessman. Armed Forces J 109:38-39 Feb '72
- Defense Secretary Melvin Laird: Reordered priorities and fenced-in planning. Interview. illus Govt Exec 4:50-52 Apr '72
- Double mileage from the military R&D dollar. Interview. William M. Magruder. illus AF Mag 55:34-39 Apr '72
- End of draft means high budget. Bob Schweitz. AF Times 32:13 Feb 9 '72
- Ends and means. Col Charles F. Bunnell, Jr. illus MarCor Gaz 56:27-34 Aug '72
- Everybody up (in FY 73 budget): Engineers, VA, MarAd, AEC, NASA, USCG. James D. Hessman. Armed Forces J 109:40-41 Mar '72
- FY 73 audit trail through the 92d Congress. (Weapons procurement and R&D) Table only. Armed Forces J 110:16-17 Dec '72
- The FY 73 budget and Defense spending trends. (Address, American Society of Military Comptrollers West Coast Regional Symposium, San Diego, Calif, Feb 10-11, 1972) Robert C. Moot. illus tabs Armed Forces Compt 17:18-20+ Spring '72
- The FY 73 Defense budget: Reality vs image. (Address, American Society of Military Comptrollers National Symposium, Bolling AFB, DC, May 17, 1972) Don R. Brazier. illus tabs Armed Forces Compt 17:9-14 Summer '72



## APPROPRIATIONS AND EXPENDITURES - Continued

Defense Dept--U.S. - Cont'd

- House buys most DOD hardware budget requests. tabs Armed Forces J 109:24-25+ Jul '72
- How the pie is sliced, by Service and by program function, fiscal years 1971-1973. Table only. Armed Forces J 109:30-31 Mar '72
- In-fighting begins on military budget. Robert S. Horowitz. AF Times 32:5 Apr 19 '72
- Is anybody listening? (Defense budget for FY 1973) Claude Witze. illus AF Mag 55:6-8 Mar '72
- Is the United States paying too much for new weapons? Brooke Nihart. Armed Forces J 109:58-60 Jun '72
- January draft halt to test hikes. AF Times 32:46 Jan 12 '72
- Keep it clean! Environmental quality is 'in' at the Pentagon. Thomas C. Steinhauser. illus tabs Armed Forces J 110:24-26+ Dec '72
- McGovern to refine Defense cost cuts. AF Times 33:42 Sep 20 '72
- National defense and national priorities. (Excerpts from study by the same name, prepared by the Council on Trends and Perspective of the Chamber of Commerce of the U.S.) tabs Signal 26:14-21 Apr '72; Excerpts from Chapter 3. Mil Rev 52: 68-79 May '72
- New Defense budget gets naval tilt. L. Edgar Prina. illus tab Sea Power 15:33-34 Feb '72
- The numbers game, again. (Defense authorization bill for FY 1973) Claude Witze. AF Mag 55:12-13 Aug '72
- Pay your money, take your choice. (U.S. Defense budget) Claude Witze. AF Mag 55:12-14 Jul '72
- 'Peace dividend' again deflated. AF Times 33:13 Dec 27 '72
- A 'peacetime' defense budget boosts strategic weapons. Eric C. Ludvigsen. illus tabs Army 22:8-11 Mar '72
- People programs, (procurement, RDT&E) slashed as House cuts appropriation bill. Armed Forces J 110:8+ Oct '72
- 'People' projects cut--hikes, travel, Reserves suffer in House vote. Ed Gates. AF Times 33:1+ Sep 27 '72
- RDT&E programs up 9.5% to \$8.5-billion. Brooke Nihart. tab Armed Forces J 109:38-39 Mar '72
- Recomputation issue in doubt. Brooke Nihart. Armed Forces J 109:54-55+ Jun '72
- Sealift goes mufti as airlift builds in-house capability. James D. Hessman. Armed Forces J 109:42 Mar '72
- Self-perpetuating PCS irks appropriations. Bob Horowitz. AF Times 33:59 Sep 27 '72
- Senate bill limits use of war force (by President). AF Times 32:5 May 10 '72
- Senators eye McGovern (proposed DOD) cuts. Robert S. Horowitz. AF Times 32:8 Jun 21 '72
- Solons choose sides as debate begins on FY 73 budget. James D. Hessman. tab Armed Forces J 109: 32:33+ Mar '72
- Tax dollars sought for morale activities. AF Times 32:20 Jan 19 '72

## APPROPRIATIONS AND EXPENDITURES - Continued

Defense Dept--U.S. - Cont'd

- Two Defense budgets: Analysis and appraisal. Thomas E. Morris. illus Sea Power 15:5-7 Oct '72
- Weapons cutback defeated. AF Times 33:3 Aug 9 '72
- Why there is no 'peace dividend.' Editorial. Sea Power 15:7-8 Jul-Aug '72

Marine Corps--U.S.

- Operation and maintenance, Marine Corps. Col E. Y. Holt, Jr. illus Armed Forces Compt 17:10-13+ Winter '72

Maritime Administration--U.S.

- Everybody up (in FY 73 budget): Engineers, VA, MarAd, AEC, NASA, USCG. James D. Hessman. Armed Forces J 109:40-41 Mar '72

National Aeronautics and Space Administration--U.S.

- Almost all conditions are 'go' for the space shuttle. Interview. Wernher von Braun. illus AF Mag 55:20-26 Mar '72; Aerosp Intl 8:6-8+ May-Jun '72
- Everybody up (in FY 73 budget): Engineers, VA, MarAd, AEC, NASA, USCG. James D. Hessman. Armed Forces J 109:40-41 Mar '72
- The NASA budget for fiscal year 1973. David Baker. illus tab Spaceflight 14:362-364 Oct '72

National Guard--Army--U.S.

- NGB pondering how to absorb big funds cuts. tab Natl Guardsman 26:15-16 Dec '72

Navy--U.S.

- The crucial test of '73. (The Navy must produce performance) George W. Ashworth. illus Sea Power 15:8-13 Apr '72
- New Defense budget gets naval tilt. L. Edgar Prina. illus tab Sea Power 15:33-34 Feb '72
- New ship programs: Trade-off between the present and the future. James D. Hessman. Armed Forces J 109:30-31+ Apr '72
- 'The only forces which have utility.' (Extracts from CNO's Posture Statement to the Senate Armed Services Committee, Washington, 1972) ADM Elmo R. Zumwalt, Jr. Sea Power 15:14-17 Apr '72
- Ship acquisition: The lost generation. LCDR Terry L. Johnson. illus US Nav Inst Proc 98:26-32 Nov '72

- Trends in Navy program and budget planning. (Address, American Society of Military Comptrollers West Coast Regional Symposium, San Diego, Calif, Feb 10-11, 1972) RADM S.H. Moore. illus Armed Forces Compt 17:21-23+ Spring '72

Veterans' Administration--U.S.

- Everybody up (in FY 73 budget): Engineers, VA, MarAd, AEC, NASA, USCG. James D. Hessman. Armed Forces J 109:40-41 Mar '72

United States

- Military preparedness--a lesson from history. LtGen Harry E. Goldsworthy. illus Review 51:11-12 Jan-Feb '72

ARAB-ISRAELI CONFLICT, 1967-

- Electrons over Suez. Charles Wakebridge. illus Ordnance 56:473-477 May-Jun '72

ARAB-ISRAELI CONFLICT, 1967- Continued

- Escalation or detente in the Middle East. LtCol James B. Peabody. illus tab Mil Rev 52:35-49 Apr '72
- Israel--shock detachment of imperialism and Zionism. Col O. Ivanov. illus Soviet Mil Rev No. 6:48-50 Jun '72
- Israeli counter-guerrilla measures. Edgar O'Ballance. illus RUSI J for Def Studies 117:47-52 Mar '72
- Nationalism: Curse or cure for the Middle East? LtCol James B. Peabody. illus Mil Rev 52:12-21 Nov '72
- A short history of the Israeli Air Force. illus Aerosp Hist 19:10-17 Mar '72
- Some Arab guerrilla problems. Maj Edgar O'Ballance. Ret. illus Mil Rev 52:27-34 Oct '72
- Tel Aviv annexationists and their backers. Y. Dmitriyev and V. Ladeikin. illus Soviet Mil Rev No. 2:46-48 Feb '72
- Watch on the Suez. William Beecher. illus tab Army pt 1, Egypt's noisy silent partner. 21:10-13 Nov '71; pt 2, Israel weighs the options. 21:28-32 Dec '71; pt 3, Jordan: On the razor's edge. 22:41-44 Jan '72

ARAB STATES

- The bear on the roof--Soviet power encircles Persian Gulf. Lawrence Griswold. illus map Sea Power 15:20-25 Jun '72
- In the forefront. (The Arab liberation movement) Col Y. Sumbatyan. illus Soviet Mil Rev No. 9:53-55 Sep '72

ARCTIC REGIONS

- The cold front--USSR has strategic advantage above the Arctic Circle. Lawrence Griswold. illus map Sea Power 15:18-23 Dec '72
- Operations in the Arctic environment: Yesterday, today and tomorrow. Col Bernt Balchen, Ret. illus map AF Civil Engr 13:3-6 Nov '72
- Pioneer Arctic flying: More than a race to the Pole. Gordon T. Morris. illus map Aerosp Hist 18:178-182 Dec '71

Strategic Importance

- The strategic significance of the northern cap. B. C. Cuthbertson. map RUSI J for Def Studies 117:45-48 Jun '72

ARCTIC RESEARCH

- The T-3 incident. (Fatal shooting on Navy Arctic drifting ice station) RADM C. O. Holmquist. illus US Nav Inst Proc 98:44-53 Sep '72
- (Unmanned Arctic Research Submersible--UARS) Signal 27:60 Nov '72

ARCTIC TRAINING

- Dinghy on the ice cap. (Multi-man raft) Maj F. C. Westergaard. illus MAC Flyer 19:19-22 Aug '72
- Dynamic training Arctic style: A report from Alaska. Col John A. Bender. illus Infantry 62:36-37 Nov-Dec '72
- The mission of T-3. (Training pararescue men near Alaska) Sgt Dave Cole. illus Airman 16:2-6 May '72
- Survival on ice. (Training in Greenland) Capt Gary A. Guimond. illus Airman 16:24-28 Apr '72

AREA SPECIALIST PROGRAMS

- USAF Area Specialist Program. Maj James S. Austin, Jr and Jimmy Mitchell. illus AU Rev 23:65-71 Jul-Aug '72

ARMAMENTSee also

- Artillery  
Munitions  
Ordnance  
also subdivision under specific subjects, e.g.,  
Airplanes, Military--Armament  
Helicopters, Military--Armament  
Ships--Armament  
Tanks, Military--Armament

Israel

- Israel's home-grown armament industry. William Beecher. illus Natl Guardsman 26:2-6 Jan '72
- Tank gun or missile? Bryant R. Dunetz. illus tab Ordnance 57:147-150 Sep-Oct '72

United States

- Air armament of the future. (Address, 54th Annual Defense Preparedness Meeting, American Ordnance Assoc, Eglin AFB, Fla, Oct 4, 1972) Gen George S. Brown. AF Plcy Ltr for Comdrs: Sup No. 11:25-29 Nov '72

ARMAMENT DEVELOPMENT AND TEST CENTER

- Aerospace supremacy: The mission of the Air Force Armament Development and Test Center. (Commander: MajGen Jewell C. Maxwell) illus Ordnance 57:116-117 Sep-Oct '72

- Eglin's ADTC--business end of the Air Force. Interview. MajGen Jewell C. Maxwell. illus AF Mag 55:24-29 Aug '72

ARMED FORCESSee also

- General Purpose Forces  
Interservice Cooperation  
Interservice Rivalry  
Strategic Forces  
Unification of the Armed Forces  
also subdivision under specific subjects, e.g.,  
Appropriations and Expenditures--Armed Forces--U.S.  
Officers--Armed Forces--U.S.  
Promotion--Armed Forces--U.S.  
Crisis management--a vocation for the Armed Forces. Dennis Chaplin. Army Qtr 102:303-319 Apr '72

Costs

- World defense: \$200 billion--U.S. per-capita cost \$379. AF Times 33:47 Dec 20 '72

Statistics

- Comparative defence expenditure, gross national product and manpower figures, 1951-1971. London's International Institute for Strategic Studies. Tables only. AF Mag 55:104-105 Dec '72
- Comparisons of military manpower. London's International Institute for Strategic Studies. Table only. AF Mag 55:104 Dec '72
- East vs West: How they compare. Tables only. Army 22:11 Dec '72
- The Military Balance: 1972-73. London's International Institute for Strategic Studies. illus tabs AF Mag 55:43-105 Dec '72

ARMED FORCES - ContinuedStatistics - Cont'd

World defense: \$200 billion--U.S. per-capita cost  
\$379. AF Times 33:47 Dec 20 '72

AfghanistanStatistics

Afghanistan. London's International Institute for  
Strategic Studies. Table only. AF Mag 55:88  
Dec '72

Africa

Military assistance to Black Africa--blessing or  
curse? Lt Bryant P. Shaw. illus map AU Rev  
23:72-78 May-Jun '72

Africa, SouthStatistics

South Africa. London's International Institute for  
Strategic Studies. Table only. AF Mag 55:83-84  
Dec '72

Africa, Southern

The military outlook: Southern Africa. Lewis H. Gann.  
illus map Mil Rev 52:59-72 Jul '72

Africa, Sub-SaharanStatistics

Sub-Saharan Africa. London's International Institute  
for Strategic Studies. illus tabs AF Mag 55:81-84  
Dec '72

AlbaniaStatistics

Albania. London's International Institute for Strategic  
Studies. Table only. AF Mag 55:72 Dec '72

AlgeriaStatistics

Algeria. London's International Institute for Strategic  
Studies. Table only. AF Mag 55:76 Dec '72

ArgentinaStatistics

Argentina. London's International Institute for Strategic  
Studies. Table only. AF Mag 55:94-95  
Dec '72

AsiaStatistics

Asia and Australasia. London's International Institute  
for Strategic Studies. illus tabs AF Mag 55:85-93  
Dec '72

AustralasiaStatistics

Asia and Australasia. London's International Institute  
for Strategic Studies. illus tabs AF Mag 55:85-93  
Dec '72

AustraliaStatistics

Australia. London's International Institute for Strategic  
Studies. Table only. AF Mag 55:88 Dec '72

ARMED FORCES - ContinuedAustriaStatistics

Austria. London's International Institute for Strategic  
Studies. Table only. AF Mag 55:72 Dec '72

BelgiumStatistics

Belgium. London's International Institute for Strategic  
Studies. Table only. AF Mag 55:61 Dec '72

BoliviaStatistics

Bolivia. London's International Institute for Strategic  
Studies. Table only. AF Mag 55:95 Dec '72

BrazilStatistics

Brazil. London's International Institute for Strategic  
Studies. Table only. AF Mag 55:95 Dec '72

BulgariaStatistics

Bulgaria. London's International Institute for Strategic  
Studies. Table only. AF Mag 55:56-57 Dec '72

BurmaStatistics

Burma. London's International Institute for Strategic  
Studies. Table only. AF Mag 55:88 Dec '72

CambodiaStatistics

The Khmer Republic (Cambodia). London's International  
Institute for Strategic Studies. Table only.  
AF Mag 55:90 Dec '72

Canada

Canadian defence policy. Peter Silverman. illus  
Royal United Svcs Inst for Def Studies J 116:40-45  
Dec '71

Defence: The great Canadian fairy tale. Col Strome  
Galloway. Army Qtr 102:419-426 Jul '72

Maintaining the status quo (in Cyprus). Capt Len  
Dent. (Reprinted from Sentinel, April 1971) Royal  
Air Forces Qtr 12:113-117 Summer '72

The profession of arms in Canada today. Comdr R. F.  
Barnes. (Reprinted from Canadian Defence Quarterly,  
Spring 1972) illus Mil Rev 52:48-56 Aug '72

Statistics

Canada. London's International Institute for Strategic  
Studies. Table only. AF Mag 55:62-63 Dec '72

CeylonStatistics

Sri Lanka (Ceylon). London's International Institute  
for Strategic Studies. Table only. AF Mag 55:92  
Dec '72

ChileStatistics

Chile. London's International Institute for Strategic  
Studies. Table only. AF Mag 55:95-96 Dec '72



ARMED FORCES - ContinuedChina (People's Republic)

China: An emerging military superpower. Charles H. Murphy. illus tab AF Mag 55:52-57 Jul '72

Statistics

China. London's International Institute for Strategic Studies. illus tabs AF Mag 55:85-87 Dec '72

China (Republic)Statistics

Republic of China (Taiwan). London's International Institute for Strategic Studies. Table only. AF Mag 55:88-89 Dec '72

ColombiaStatistics

Colombia. London's International Institute for Strategic Studies. Table only. AF Mag 55:96 Dec '72

CubaStatistics

Cuba. London's International Institute for Strategic Studies. Table only. AF Mag 55:96 Dec '72

CzechoslovakiaStatistics

Czechoslovakia. London's International Institute for Strategic Studies. Table only. AF Mag 55:57 Dec '72

DenmarkStatistics

Denmark. London's International Institute for Strategic Studies. Table only. AF Mag 55:63 Dec '72

Dominican RepublicStatistics

Dominican Republic. London's International Institute for Strategic Studies. Table only. AF Mag 55:96-97 Dec '72

EcuadorStatistics

Ecuador. London's International Institute for Strategic Studies. Table only. AF Mag 55:97 Dec '72

Egypt

Ivan go home! Don't call us; we'll call you. (Russia in Egypt) Lawrence Griswold. illus map Sea Power 15:6-13 Sep '72

Problems of the Egyptian phoenix. Edgar O'Ballance. Army Qtr 102:451-457 Jul '72

Statistics

Egypt. London's International Institute for Strategic Studies. Table only. AF Mag 55:76 Dec '72

EthiopiaStatistics

Ethiopia. London's International Institute for Strategic Studies. Table only. AF Mag 55:81-82 Dec '72

Europe

The military situation in Europe. Regular feature in some issues of Army Quarterly and Defence Journal

ARMED FORCES - ContinuedEurope - Cont'dStatistics

The theatre balance between NATO and the Warsaw Pact. London's International Institute for Strategic Studies. tabs AF Mag 55:68-71 Dec '72

FinlandStatistics

Finland. London's International Institute for Strategic Studies. Table only. AF Mag 55:72-73 Dec '72

FranceStatistics

France. London's International Institute for Strategic Studies. Table only. AF Mag 55:63-64 Dec '72

Germany

Faith in what cause? A survey of political and social doctrines in the Armies of the two German Republics. Dennis Chaplin. Army Qtr 102:34-46 Oct '71

Germany (Democratic Republic)Statistics

German Democratic Republic. London's International Institute for Strategic Studies. Table only. AF Mag 55:57-58 Dec '72

Germany (Federal Republic)

For the 1980s: A new personnel structure in the Bundeswehr. Earl F. Ziemke. illus Mil Rev 52: 31-39 Sep '72

A military ombudsman. (West German Defence Commissioner) Dennis Chaplin. RUSI J for Def Studies 117:61-64 Mar '72

The new German soldier--maximum freedom, minimum order. Lee Ewing. illus AF Times, Family sup:6-7+ Jul 19 '72

Statistics

Federal Republic of Germany. London's International Institute for Strategic Studies. Table only. AF Mag 55:64 Dec '72

GhanaStatistics

Ghana. London's International Institute for Strategic Studies. Table only. AF Mag 55:82 Dec '72

Great Britain

Some aspects of recruitment for the Armed Forces in the 1970s. SqLdr D.W. Granger. illus Hawk No. 33: 61-67 Feb '72

Organization

Management in the Armed Forces. T.E. Chester. illus Royal United Svcs Inst for Def Studies J 116: 24-31 Dec '71

Military engineering today--the role of the Royal Engineers. Brig S.E.M. Goodall. illus RUSI J for Def Studies 117:19-21+ Mar '72

Statistics

Britain. London's International Institute for Strategic Studies. Table only. AF Mag 55:61-62 Dec '72

ARMED FORCES - ContinuedGreeceStatistics

Greece. London's International Institute for Strategic Studies. Table only. AF Mag 55:65 Dec '72

Hungary

The Hungarian Workers' Militia. Peter I. Gosztory. illus Mil Rev 52:54-58 Jul '72

Statistics

Hungary. London's International Institute for Strategic Studies. Table only. AF Mag 55:58 Dec '72

India

India continues military buildup. Ravi Rikhye. Armed Forces J 109:28-29 Aug '72

Statistics

India. London's International Institute for Strategic Studies. Table only. AF Mag 55:89 Dec '72

The Indo-Pakistani War. Brig Cyril N. Barclay, Ret. illus map tabs Army 22:20-26 May '72

Why India won: The 14-day war. Ravi Rikhye, tabs Armed Forces J 109:38-41 Apr '72

IndonesiaStatistics

Indonesia. London's International Institute for Strategic Studies. Table only. AF Mag 55:89-90 Dec '72

IranStatistics

Iran. London's International Institute for Strategic Studies. Table only. AF Mag 55:76-77 Dec '72

IraqStatistics

Iraq. London's International Institute for Strategic Studies. Table only. AF Mag 55:77 Dec '72

IrelandStatistics

Eire. London's International Institute for Strategic Studies. Table only. AF Mag 55:72 Dec '72

Israel

Mechanized Infantry in Israel. Jac Weller. illus Infantry 62:32-38 Sep-Oct '72

Soldiers for a lifetime in the Israeli Reserve Forces. Jac Weller, illus Natl Guardsman 26:2-7 Dec '72

Statistics

Israel. London's International Institute for Strategic Studies. Table only. AF Mag 55:77-78 Dec '72

ItalyStatistics

Italy. London's International Institute for Strategic Studies. Table only. AF Mag 55:65 Dec '72

Japan

Japan: A military "papier-mâché tiger." LtGen Masatake Okumiya, Ret. US Nav Inst Proc 98: 84-86 Nov '72

ARMED FORCES - ContinuedJapan - Cont'dStatistics

Japan. London's International Institute for Strategic Studies. Table only. AF Mag 55:90 Dec '72

Jordan

Watch on the Suez. William Beecher. illus tab Army pt 1, Egypt's noisy silent partner. 21:10-13 Nov '71; pt 2, Israel weighs the options. 21:28-32 Dec '71; pt 3, Jordan: On the razor's edge. 22: 41-44 Jan '72

Statistics

Jordan. London's International Institute for Strategic Studies. Table only. AF Mag 55:78 Dec '72

Korea (Democratic People's Republic)Statistics

Korea--Democratic People's Republic (North). London's International Institute for Strategic Studies. Table only. AF Mag 55:90-91 Dec '72

Korea (Republic)Statistics

Korea--Republic of Korea (South). London's International Institute for Strategic Studies. Table only. AF Mag 55:91 Dec '72

LaosStatistics

Laos. London's International Institute for Strategic Studies. Table only. AF Mag 55:91 Dec '72

Latin America

The Latin American military: Positive roles. Maj Michael A. Nelson. AU Rev 23:57-64 Jul-Aug '72

Statistics

Latin America. London's International Institute for Strategic Studies. illus tabs AF Mag 55:94-99 Dec '72

LebanonStatistics

Lebanon. London's International Institute for Strategic Studies. Table only. AF Mag 55:78-79 Dec '72

LibyaStatistics

Libya. London's International Institute for Strategic Studies. Table only. AF Mag 55:79 Dec '72

LuxembourgStatistics

Luxembourg. London's International Institute for Strategic Studies. Table only. AF Mag 55:65-66 Dec '72

MalaysiaStatistics

Malaysia. London's International Institute for Strategic Studies. Table only. AF Mag 55:91 Dec '72

ARMED FORCES - ContinuedMediterranean RegionStatistics

The Middle East and the Mediterranean. London's International Institute for Strategic Studies. illus tabs AF Mag 55:75-80 Dec '72

MexicoStatistics

Mexico. London's International Institute for Strategic Studies. Table only. AF Mag 55:97 Dec '72

Middle EastStatistics

The Middle East and the Mediterranean. London's International Institute for Strategic Studies. illus tabs AF Mag 55:75-80 Dec '72

MongoliaStatistics

Mongolia. London's International Institute for Strategic Studies. Table only. AF Mag 55:91 Dec '72

MoroccoStatistics

Morocco. London's International Institute for Strategic Studies. Table only. AF Mag 55:79 Dec '72

NATO

Allied land forces in NATO's European central region. Gen Jürgen Bennecke. illus NATO's Fifteen Nations 17:49-56 Jun-Jul '72

Crisis management--a vocation for the Armed Forces. Dennis Chaplin. Army Qtr 102:303-319 Apr '72

Planning NATO's forces. C. Caracciolo di Forino. illus NATO's Fifteen Nations 16:74-75+ Dec '71-Jan '72

Statistics

The North Atlantic Treaty. London's International Institute for Strategic Studies. illus tabs AF Mag 55:59-67 Dec '72

The theatre balance between NATO and the Warsaw Pact. London's International Institute for Strategic Studies. tabs AF Mag 55:68-71 Dec '72

USAFE: Responsibilities, up; defense budgets, down. John L. Frisbee. illus AF Mag 55:35-41 Feb '72

NetherlandsStatistics

Netherlands. London's International Institute for Strategic Studies. Table only. AF Mag 55:66 Dec '72

New ZealandStatistics

New Zealand. London's International Institute for Strategic Studies. Table only. AF Mag 55:91-92 Dec '72

NigeriaStatistics

Nigeria. London's International Institute for Strategic Studies. Table only. AF Mag 55:82 Dec '72

ARMED FORCES - ContinuedNorwayStatistics

Norway. London's International Institute for Strategic Studies. Table only. AF Mag 55:66-67 Dec '72

OmanStatistics

Oman. London's International Institute for Strategic Studies. Table only. AF Mag 55:79 Dec '72

PakistanStatistics

The Indo-Pakistani War. Brig Cyril N. Barclay. Ret. illus map tabs Army 22:20-26 May '72

Pakistan. London's International Institute for Strategic Studies. Table only. AF Mag 55:92 Dec '72

Why India won: The 14-day war. Ravi Rikhye. tabs Armed Forces J 109:38-41 Apr '72

ParaguayStatistics

Paraguay. London's International Institute for Strategic Studies. Table only. AF Mag 55:97-98 Dec '72

Peru

Revolution from within: Changing military perspectives in Peru. (Research paper, College of Naval Command and Staff) Maj James L. Williams. Nav War Col Rev 25:43-60 Nov-Dec '72

Statistics

Peru. London's International Institute for Strategic Studies. Table only. AF Mag 55:98 Dec '72

Philippines (Republic)Statistics

Philippines. London's International Institute for Strategic Studies. Table only. AF Mag 55:92 Dec '72

PolandStatistics

Poland. London's International Institute for Strategic Studies. Table only. AF Mag 55:58 Dec '72

PortugalStatistics

Portugal. London's International Institute for Strategic Studies. Table only. AF Mag 55:67 Dec '72

RhodesiaStatistics

Rhodesia. London's International Institute for Strategic Studies. Table only. AF Mag 55:82-83 Dec '72

RumaniaStatistics

Rumania. London's International Institute for Strategic Studies. Table only. AF Mag 55:58 Dec '72

Russia

Militias in the missile age. Walter C. Clemens, Jr. illus tab Mil Rev 52:28-47 Aug '72



ARMED FORCES - ContinuedRussia - Cont'd

Our strength is in friendship of the peoples. (Men of many nationalities in Soviet Armed Forces) Capt A. Skrylnik, Soviet Mil Rev No. 7:2-5 Jul '72

Party political work in combat conditions. LtGen A. Pigurnov, Soviet Mil Rev No. 2:43-45 Feb '72

Praporshchiks and mitchmen in the USSR Armed Forces, illus Soviet Mil Rev No. 4:36-37 Apr '72

R. U. S. I. / R. M. A. S. Research Centre bulletin. (Precis, abstracts, or translations of whole articles from the Soviet press) Regular feature in some issues of RUSI Journal for Defence Studies

Reliable support of the commanders. Col D. Diyev, Soviet Mil Rev No. 2:37-38 Feb '72

Sources of defence potential. Gen V. Kulikov, illus Soviet Mil Rev No. 11:18-21 Nov '72

Soviet military cybernetics: Social and political problems of troop control, David Holloway, Royal United Svcs Inst for Def Studies J 116:59-64 Dec '71

Soviet night operations. LtCol Erich Sobik, illus Mil Rev 52:71-76 Aug '72

Statistics

The United States and the Soviet Union. London's International Institute for Strategic Studies, illus tabs AF Mag 55:46-52 Dec '72

United States/Soviet Union Armed Forces personnel (1966 and 1971), tab Mil Rev 52:102 Jul '72

Saudi ArabiaStatistics

Saudi Arabia. London's International Institute for Strategic Studies, Table only, AF Mag 55:80 Dec '72

SingaporeStatistics

Singapore. London's International Institute for Strategic Studies, Table only, AF Mag 55:92 Dec '72

SomaliaStatistics

Somali Democratic Republic. London's International Institute for Strategic Studies, Table only, AF Mag 55:83 Dec '72

SpainStatistics

Spain. London's International Institute for Strategic Studies, Table only, AF Mag 55:73 Dec '72

SudanStatistics

Sudan. London's International Institute for Strategic Studies, Table only, AF Mag 55:80 Dec '72

SwedenStatistics

Sweden. London's International Institute for Strategic Studies, Table only, AF Mag 55:73-74 Dec '72

ARMED FORCES - ContinuedSwitzerlandStatistics

Switzerland. London's International Institute for Strategic Studies, Table only, AF Mag 55:74 Dec '72

SyriaStatistics

Syria. London's International Institute for Strategic Studies, Table only, AF Mag 55:80 Dec '72

TanzaniaStatistics

Tanzania. London's International Institute for Strategic Studies, Table only, AF Mag 55:84 Dec '72

ThailandStatistics

Thailand. London's International Institute for Strategic Studies, Table only, AF Mag 55:93 Dec '72

TunisiaStatistics

Tunisia. London's International Institute for Strategic Studies, Table only, AF Mag 55:80 Dec '72

TurkeyStatistics

Turkey. London's International Institute for Strategic Studies, Table only, AF Mag 55:67 Dec '72

UgandaStatistics

Uganda. London's International Institute for Strategic Studies, Table only, AF Mag 55:84 Dec '72

United States

The descending spiral of amilitarism. Col Richard F. Rosser, illus AF Mag 55:64-69 Jun '72

A new style of military for the United States: A recommendation. WgComdr Raymond G. Funnell, illus AU Rev 24:63-67 Nov-Dec '72

Of wars and warriors (American style). Vincent Davis, Nav War Col Rev 25:20-31 Nov-Dec '72

ROA asks that strength of regulars not be jeopardized. (Excerpts from statement to House Appropriations Committee, 1972) Col John T. Carlton, Officer 48:20 Jun '72

Sex in the Armed Forces, tab illus Armed Forces J 109:32-34 Jan '72

Taiwan 'pullout' pledged by Nixon, AF Times 32:17 Mar 15 '72

The view from the tank: Interviews with the Joint Chiefs, illus Armed Forces J 109:36-44 Jan '72

Statistics

AF 4,500 below level (and other Services strengths tabulated), tab AF Times 33:21 Aug 9 '72

Defense forces decline, AF Times 32:15 May 10 '72

Four-star anomaly, Armed Forces J 109:16 Feb '72

New slash slated in force levels, AF Times 32:1+ Jan 19 '72

ARMED FORCES - ContinuedUnited States - Cont'dStatistics - Cont'd

- A 'peacetime' defense budget boosts strategic weapons. Eric C. Ludvigsen. illus tabs Army 22:8-11 Mar '72
- Personnel and active military forces chart. AF Ploy Ltr for Comdrs; Sup No. 3:31 Mar '72
- Services wary about cuts. AF Times 33:4 Sep 6 '72
- Summary of active military personnel and forces. Table only. Armed Forces J 109:32 Mar '72; Mil Rev 52:98 Apr '72
- Summary of major military forces (as of 1 January 1972 unless otherwise indicated). LCDR J. B. Finkelstein. Tables only. US Nav Inst Proc 98: 336-337 May '72
- Total strength dips 20% but AF loss virtually nil. tab AF Times 32:6 Apr 12 '72
- The United States and the Soviet Union. London's International Institute for Strategic Studies. illus tabs AF Mag 55:46-52 Dec '72
- United States/Soviet Union Armed Forces personnel (1966 and 1971). tab Mil Rev 52:102 Jul '72

UruguayStatistics

- Uruguay. London's International Institute for Strategic Studies. Table only. AF Mag 55:98 Dec '72

VenezuelaStatistics

- Venezuela. London's International Institute for Strategic Studies. Table only. AF Mag 55:99 Dec '72

Vietnam (Democratic Republic)Statistics

- Vietnam--Democratic Republic (North). London's International Institute for Strategic Studies. Table only. AF Mag 55:93 Dec '72

Vietnam (Republic)

- The vital element in Vietnamization: RVNAF training. Jac Weller. illus Mil Rev 52:35-49 Oct '72

Statistics

- Vietnam--Republic of Vietnam (South). London's International Institute for Strategic Studies. Table only. AF Mag 55:93 Dec '72

Warsaw PactStatistics

- The theatre balance between NATO and the Warsaw Pact. London's International Institute for Strategic Studies. tabs AF Mag 55:68-71 Dec '72
- USAFE: Responsibilities, up; defense budgets, down. John L. Frisbee. illus AF Mag 55:35-41 Feb '72
- The Warsaw Pact. London's International Institute for Strategic Studies. illus tabs AF Mag 55:56-58 Dec '72

YugoslaviaStatistics

- Yugoslavia. London's International Institute for Strategic Studies. Table only. AF Mag 55:74 Dec '72

ARMED FORCES - ContinuedZaire Republic (Congo)Statistics

- Zaire Republic (Congo (Kinshasa)). London's International Institute for Strategic Studies. Table only. AF Mag 55:84 Dec '72

ARMED FORCES COMMUNICATIONS AND ELECTRONICS ASSOCIATION

- AFCEA's new directors, class of 1976. pors biogs Signal 27:44-47 Oct '72
- 26th Annual AFCEA Convention Program (Washington June 6-8, 1972). illus Signal 26:10-23 Jun '72
- (26th Annual Convention, Washington, June 6-8, 1972) illus Signal 26: entire issue Jul-Aug '72

Directories

- The 1972 AFCEA sustaining and group member capabilities directory. Signal 26:62-91 Jan-Feb '72

ARMED FORCES IN EUROPE

- Europe strength cuts barred by '74 budget. AF Times 33:34 Sep 6 '72

ARMED FORCES RADIO AND TELEVISION SERVICE

- see American Forces Radio and Television Service

ARMED FORCES STAFF COLLEGE

- Armed Forces (Staff) College in 27th year. AF Times 33:47 Sep 20 '72

ARMED SERVICES COMMITTEE--HOUSE OF REPRESENTATIVES see Congress--U.S.ARMED SERVICES COMMITTEE--SENATE see Congress--U.S.ARMORSee also

- Armored Vehicles  
Armored Warfare  
Body Armor

Bibliography

- Books about armor. Col Robert J. Icks, Ret. illus Armor pt 1, 81:53-58 Jan-Feb '72; pt 2, 81:43-45 Mar-Apr '72

Education and Training

- Another step forward with CARS (Combat Arms Regimental System). Raymond E. Bell, Jr. Armor 81:36-39 Sep-Oct '72

- Challenges of Armor today. Maj Thomas A. Horner and others. illus Armor 81:51-55 Jul-Aug '72

- Mechando. LtCol Robert J. Washer. illus Armor 81: 21-23 Jan-Feb '72

- Preparedness is the key to a good mechanized Infantry force. 2dLt John Merwin. illus Infantry 62:6-9 Jan-Feb '72

- Tank gunnery training. Jac Weller. illus Natl Guardsman 26:2-8 May '72

Equipment

- Armor Center innovations (formerly called Armor School trends). Regular feature in some issues of Armor

France

- French armor in Algeria. LtCol Michel A. Henry. illus maps Armor 81:12-16 Nov-Dec '72

ARMOR - ContinuedGreat Britain

Scorpion, Striker, Scimitar, Spartan. Richard M. Ogorkiewicz. illus Armor 81:24-27 May-Jun '72

United StatesSee also

1st Cavalry Division (TRICAP)

(Armored concept) (Address, U. S. Armor Assoc, Fort Knox, Ky, May 19, 1972) Gen Ralph E. Haines, Jr. illus Armor 81:36-39 Jul-Aug '72

The dragoon concept. (Mechanized Infantry) Capt Vernon W. Humphrey. illus charts Mil Rev 52:17-25 Jan '72

Ground mobility--past, present and future. Capt David Pearson. illus Infantry 62:20-27 Mar-Apr '72

Modern armor. MajGen William R. Desobry. illus Armor 81:4-7 Mar-Apr '72

Stiffening the backbone. (Improving squadron leadership) Col Josiah A. Wallace, Jr. illus tabs Army 22:28-31 Jun '72

Strategy for Armor. Col Wesley W. Yale, Ret. illus Armor 81:17-19 Nov-Dec '72

T hour plus 2 1/2. (U.S. Forces in Western Europe) Jac Weller. illus Review 51:17-19+ Jan-Feb '72

(Tremendous period of change for Army and Armor) (Banquet address, U. S. Armor Assoc, Fort Knox, Ky, May 19, 1972) Gen Bruce Palmer. illus Armor 81:57-59 Jul-Aug '72

Unit awards (Armor and Cavalry) for service in the Republic of Vietnam (as of 31 March 1972). Armor 81:43-47 Sep-Oct '72

Directories

Armor Branch directory. Chart only. Armor 81:64 Sep-Oct '72

History

Introducing (MajGen John S.) "P" Wood--4th Armored Division. John Albright. illus Armor 81:24-29 Jan-Feb '72

ARMOR ASSOCIATION see United States Armor Association

ARMORED CENTERS AND SCHOOLS

Armor Center innovations (formerly called Armor School trends). Regular feature in some issues of Armor

Women's liberation--Armor School style! Mrs Michael J. Fay and Mrs George S. Patton. illus Armor 81:30-34 May-Jun '72

ARMORED FORCES see Armor

ARMORED VEHICLESSee also

Tanks, Military

Armored cars: The V100 and V150. LtCol Roy F. Sullivan. illus tab Armor 81:35-37 May-Jun '72

Arms and equipment of land forces today and tomorrow. Brig P. H. C. Hayward. illus NATO's Fifteen Nations 17:28-42 Jun-Jul '72

Corps armor--a candid analysis. 1stLt K. W. Estes. illus MarCor Gaz 56:27-31 Dec '72

ARMORED VEHICLES - Continued

FMC and Lockheed will build ARSV (Armored Reconnaissance Scout Vehicle) prototypes. illus Armed Forces J 109:18 Jul '72

The Gauntlet. (Armored vehicle training at Fort Carson, Colo) Barney Halloran. illus Soldiers 27:43-47 Oct '72

High speed tank driving. LtCol B. Gruzdev. illus Soviet Mil Rev No. 6:17-19 Jun '72

Infantry: Rolling against the punch. Col Ben S. Malcom. illus Infantry 62:6-9 May-Jun '72

Kiss off the Dreadnaught. Maj John Baggett and others. illus Infantry 62:28-30 Jan-Feb '72

MICV--future tool of the trade for mechanized infantrymen. Jeff F. Cherry. illus Infantry 62:28-30 Mar-Apr '72

The mechanized Infantry assault gun. Capts Timothy R. O'Neill and Alfred T. Bowen, Jr. illus Armor 81:34-41 Jan-Feb '72

Mechanized Infantry in Israel. Jac Weller. illus Infantry 62:32-38 Sep-Oct '72

Mobility and protection of front-line troops--a proposed solution. Pierre Valentini. tab illus (Also cutaways) Intl Def Rev 5:533-535 Oct '72

Scorpion, Striker, Scimitar, Spartan. Richard M. Ogorkiewicz. illus Armor 81:24-27 May-Jun '72

Tank-automotive news. Joseph B. Hayes. Regular feature in some issues of Ordnance

Tracked landing vehicles. James D. Mason. illus Ordnance 56:314-318 Jan-Feb '72

The West German Spähpanzer--8x8 armored reconnaissance vehicle. Capt V. Roger duPont, Jr. illus Armor 81:27-28 Mar-Apr '72

Equipment

The big trade-offs. LtCol Bart M. Filaseta. illus Armor 81:15-20 Jan-Feb '72

History

Ground mobility--past, present and future. Capt David Pearson. illus Infantry 62:20-27 Mar-Apr '72

ARMORED WARFARESee also

Missiles. Antitank

Advanced main battle tank. Capt Timothy R. O'Neill. illus Armor 81:36-41 Nov-Dec '72

The anti-tank problem. John Marriott. illus tabs NATO's Fifteen Nations 17:72-82+ Apr-May '72

Corps armor--a candid analysis. 1stLt K. W. Estes. illus MarCor Gaz 56:27-31 Dec '72

The death of the tank. LtCol Warren W. Lennon. illus Armor 81:4-14 Jan-Feb '72

Defense requires mobility. LtCol Robert Carmichael and Maj Joseph Keyes. illus Infantry 62:40-42 Mar-Apr '72

The dragoon concept. (Mechanized Infantry) Capt Vernon W. Humphrey. illus charts Mil Rev 52:17-25 Jan '72

The future main battle tank. Col Helmut Ritgen. illus Armor 81:32-35 Nov-Dec '72



ARMORED WARFARE - Continued

- The future of close combat. MajGen George B. Pickett, Jr. illus Infantry 62:6-10 Sep-Oct '72
- Give me a tank. LtCol Albert N. Garland, Ret. illus Army 22:29-31 Nov '72
- Hell on wheels defeats the heliborne threat. (Exercise Gallant Hand 72) LtCol J. Hollis McCrear, Jr. illus Armor 81:23-25 Sep-Oct '72
- Inchon landing. (Marine Corps amphibious attack on North Korea) B. F. Halloran. illus MarCor Gaz 56:25-32 Sep '72
- Mechanized Infantry in Israel. Jac Weller. illus Infantry 62:32-38 Sep-Oct '72
- Mobile defense. Paul Carell. (Trans and condensed from a German publication) illus Mil Rev 52:77-82 Feb '72
- Modern armor. MajGen William R. Desobry. illus Armor 81:4-7 Mar-Apr '72
- The Oerlikon-Contraves 35 mm AA tank--some operational considerations. F. Schreier. illus tabs Intl Def Rev 5:377-383 Aug '72
- Score: TOW/Cobras 20, armor 1. (Helicopters vs tanks in joint U.S., Canadian, West German test) Brooke Nihart. illus tab Armed Forces J 110:20 Sep '72
- Soviet armor comes to Vietnam--a surprise that needn't have been (after Korea). Bernard F. Halloran. illus Army 22:19-23 Aug '72
- Tank/antitank spectrum or mobile warfare. Col Donald W. Moreau. illus Armor 81:8-11 Mar-Apr '72
- Tank gun or missile? Bryant R. Dunetz. illus tab Ordnance 57:147-150 Sep-Oct '72
- The tank is alive and well. Edward Luttwak. illus Armor 81:63-65 Jul-Aug '72
- Tanks and APCs in defence. MajGen A. Zyryanov. Soviet Mil Rev No. 4:20-22 Apr '72
- Tanks negotiating forests and marshes. LtCol B. Gruzdev. illus Soviet Mil Rev No. 1:20-22 Jan '72

History

- (Armored concept) (Address, U. S. Armor Assoc, Fort Knox, Ky, May 19, 1972) Gen Ralph E. Haines, Jr. illus Armor 81:36-39 Jul-Aug '72
- French armor in Algeria. LtCol Michel A. Henry. illus maps Armor 81:12-16 Nov-Dec '72
- Introducing (MajGen John S.) "P" Wood--4th Armored Division. John Albright. illus Armor 81:24-29 Jan-Feb '72
- Soviet armored warfare. LtCol Daniel K. Malone. illus Ordnance 56:295-299 Jan-Feb '72

Study and Teaching

- ATTE (Antiarmor Tactical Training Exercise at the Infantry School). Capt Larry G. Ardison. illus map Infantry 62:20-22 Sep-Oct '72
- Challenges of Armor today. Maj Thomas A. Horner and others. illus Armor 81:51-55 Jul-Aug '72
- The Gauntlet. (Armored vehicle training at Fort Carson, Colo) Barney Halloran. illus Soldiers 27:43-47 Oct '72
- Mechando. LtCol Robert J. Washer. illus Armor 81:21-23 Jan-Feb '72

ARMORED WARFARE - ContinuedStudy and Teaching - Cont'd

- Preparedness is the key to a good mechanized Infantry force. 2dLt John Merwin. illus Infantry 62:6-9 Jan-Feb '72
- Training of AA gunners to fight tanks. LtCol Y. Vishnevsky. Soviet Mil Rev No. 10:18-19 Oct '72
- "Wake up--it's war!" (8th Infantry Division field training exercise) SP4 John Larson. illus Soldiers 27:60-61 May '72

ARMORIES

- Target for tonight? (Armory vandalism) illus Natl Guardsman 26:26-27 Feb '72

ARMS CONTROLSee alsoDisarmament

- Arms control and disarmament. Peter F. W. Kerr, Marquess of Lothian. illus RUSI J for Def Studies 117:12-19 Mar '72
- From leadership to partnership. Marc E. Geneste. illus tab Mil Rev 52:73-81 Mar '72
- The hard realities of arms control. Raymond J. Barrett. AF Mag 55:47-49 Feb '72
- Letter from London: Crawling arms talks and galloping arms race. NATO's Fifteen Nations 17:12-15 Apr-May '72
- Look before you leap. (Arms-limitation agreements) Claude Witze. illus tab AF Mag 55:22-24+ Sep '72
- Military R&D--the myths and the realities. (Address, AFA Convention, Washington, Sep 17-21, 1972) John S. Foster, Jr. illus AF Mag 55:67-71 Nov '72
- Militias in the missile age. Walter C. Clemens, Jr. illus tab Mil Rev 52:28-47 Aug '72
- Mutually balanced force reductions: The complex problem. (Research paper, Naval War College) LT Edward A. McKenney. illus Nav War Col Rev 24:29-41 Jun '72
- The realities of arms limitations. CAPT Dominic A. Paolucci, Ret. illus tab US Nav Inst Proc 98:178-189 May '72
- Russia adds arms at cost of food. LtGen Ira C. Eaker, Ret. AF Times 33:13 Nov 1 '72
- Russia and the ABM. Mark B. Schneider. map Ordnance 56:372-374 Mar-Apr '72
- The SALT accords: Will they work? Tom Gidwitz. illus Armed Forces J 109:6-7 Aug '72
- The SALT agreement. Interavia 27:700 Jul '72
- The SALT agreement. Intl Def Rev 5:357 Aug '72
- The SALT agreements. Editorial. John F. Loosbrock. AF Mag 55:6 Jul '72
- (SALT agreements reached by Nixon in Moscow) LtGen Ira C. Eaker, Ret. AF Times 32:10 Jun 21 '72
- SALT and the strategic balance. London's International Institute for Strategic Studies. AF Mag 55:53-55 Dec '72
- SALT: In a wound, it hurts. Claude Witze. AF Mag 55:13-14 Oct '72
- SALT saves the Air Force. Col Robert D. Heinl, Jr. Armed Forces J 109:9+ Aug '72

ARMS CONTROL - Continued

- The seabed arms control issue 1967-1971: A super-power symbiosis? James A. Barry, Jr. Nav War Col Rev 25:87-101 Nov-Dec '72
- The shifting balance. William E. Brock. illus Ordnance 36:366-368 Mar-Apr '72
- Soviet-American arms negotiations--1960-68: A prelude for SALT. (Research paper, Naval War College, 1971) LT Eric W. Hayden. illus Nav War Col Rev 24:65-82 Jan '72
- Soviet programme of nuclear disarmament. V. Shestov. Soviet Mil Rev No. 3:49-51 Mar '72
- The strategic balance. AVM Neil Cameron. tab Royal Air Forces Qtr pt 1, The balance today. 11:169-175 Autumn '71; pt 2, The implication of new weapon systems. 11:253-258 Winter '71; pt 3, China, Europe and SALT. 12:1-5 Spring '72
- Summit and SALT (4 views). illus Sea Power pt 1, Effect of the pacts on U. S. security. Lawrence Griswold. 15:104; pt 2, Moscow--then and now. George W. Healy, Jr. 15:11-12; pt 3, SALT: Some basic questions. Henry M. Jackson. 15:18-19; pt 4, Spy satellites will monitor pacts. William Beecher. 15:20-24 Jul-Aug '72
- Trench Gascoigne Prize Essay: "What is good for General Motors ..." Colin S. Gray. illus tab RUSI J for Def Studies 117:36-37+ Jun '72
- Triad to become quadrate? Brooke Nihart. illus Armed Forces J 110:30-31 Dec '72
- What Rand hath wrought. Colin S. Gray. (Reprinted from Foreign Policy, Fall 1971) Mil Rev 52:22-33 May '72
- History
- Look before you leap. (Arms-limitation agreements) Claude Witze. illus tab AF Mag 55:22-24+ Sep '72
- Naval diplomacy and the failure of balanced security in the Far East--1921-1935. LCDR William S. Johnson. illus Nav War Col Rev 24:67-88 Feb '72

ARMS RACE

- The dangerous decade. Col Richard F. Rosser. illus AF Mag 55:44-48 Jan '72
- For realistic defense. Peter H. Dominick. Ordnance 56:282-284 Jan-Feb '72
- Letter from London: Crawling arms talks and galloping arms race. NATO's Fifteen Nations 17:12-15 Apr-May '72
- Look before you leap. (Arms-limitation agreements) Claude Witze. illus tab AF Mag 55:22-24+ Sep '72
- The realities of arms limitations. CAPT Dominic A. Paolucci, Ret. illus tab US Nav Inst Proc 98:178-189 May '72
- The shifting balance. William E. Brock. illus Ordnance 56:366-368 Mar-Apr '72
- Soviet-American arms negotiations--1960-68: A prelude for SALT. (Research paper, Naval War College, 1971) LT Eric W. Hayden. illus Nav War Col Rev 24:65-82 Jan '72
- The strategic requirement--AFA symposium in Orlando (Fla, Dec 15-16, 1971). Edgar Ulsamer. illus AF Mag 55:58-64 Feb '72
- The view from Moscow: Okean and Jenbao--USSR's growing sea power and its alarm over Siberia. Lawrence Griswold. illus map Sea Power 15:11-17 May '72

ARMS SALES

- Munitions export control policies and procedures. Marvin J. Hottel. illus Def Mgt J 8:49-52 Jul '72
- Supply system probes slated. AF Times 33:48 Aug 9 '72
- The Swedish view of American diplomacy. (Interview with Jerome H. Holland and Krister Wickman) illus Govt Exec 4:67-68+ Aug '72
- Trench Gascoigne Prize Essay: "What is good for General Motors ..." Colin S. Gray. illus tab RUSI J for Def Studies 117:36-37+ Jun '72
- U. S. monopolies and the war business. I. Yermachenkov. Soviet Mil Rev No. 10:57-58 Oct '72

ARMYSee also

- Armor  
Artillery  
Infantry  
also subdivision under specific subjects, e. g.,  
Education and Training--Army--U. S.

Biography

- The five stars. Armed Forces J 109:32 Jun '72
- George Horatio Derby--engineer and humorist. Col Glenn I. Epperson, Ret. illus Mil Engr 64:113-114 Mar-Apr '72

Corps, Divisions, etcSee also

- Transportation Units

Germany--History

- Prisoners as soldiers: The German 999th Penal Division. Charles Burdick. Army Qtr 102:65-69 Oct '71

United StatesSee also

- 1st Cavalry Division (TRICAP)  
Missile Units
- The Airborne Division (82d) in the '70's. LtCol Robert M. Elton. illus Army 22:16-20 Sep '72
- The Berlin Brigade--soldiering well ... with a little help from our friends the West German taxpayers. illus AF Times, Family sup:23+ Sep 20 '72
- Solutions from experience--the V Corps 'Operation Bootstrap.' PFC John G. Kelso. illus Army 22:40-44 Jul '72

United States--History

- Introducing (MajGen John S.) "P" Wood--4th Armored Division. John Albright. illus Armor 81:24-29 Jan-Feb '72

China (People's Republic)

- The Chinese People's Liberation Army and political socialization. LtCol George K. Osborn. illus Parameters 1:22-27 Winter '72

Organization

- Communist China's land forces. Niu Sien-Chong. NATO's Fifteen Nations 17:65-68+ Jun-Jul '72

Statistics

- Communist China's land forces. Niu Sien-Chong. NATO's Fifteen Nations 17:65-68+ Jun-Jul '72

ARMY - ContinuedFrance

Armies and societies: Three case studies. LtCol William L. Hauser. illus Mil Rev pt 1, The new German Army. 52:4-14 Jul '72; pt 2, The French Army after Algeria. 52:2-12 Aug '72; pt 3, The British Army at the end of the empire. 52:3-15 Sep '72

Germany (Federal Republic)

Armies and societies: Three case studies. LtCol William L. Hauser. illus Mil Rev pt 1, The new German Army. 52:4-14 Jul '72; pt 2, The French Army after Algeria. 52:2-12 Aug '72; pt 3, The British Army at the end of the empire. 52:3-15 Sep '72

Organization

German Army reorganization. (Trans from a French publication) illus charts Mil Rev 52:75-82 Jan '72

Great Britain

Adventurous training British style. Col Norman L. Dodd, Ret. illus Infantry 62:40-42 Nov-Dec '72

Armies and societies: Three case studies. LtCol William L. Hauser. illus Mil Rev pt 1, The new German Army. 52:4-14 Jul '72; pt 2, The French Army after Algeria. 52:2-12 Aug '72; pt 3, The British Army at the end of the empire. 52:3-15 Sep '72

Commitment on the doorstep (British Army in Northern Ireland). Editorial. Army Qtr 102:1-5 Oct '71

A volunteer Army cannot be recruited "on the cheap." illus Armed Forces J 109:44-46 Jun '72

History

Cardwell and the military reformation. Maj D.M.R. Esson. Army Qtr 102:496-508 Jul '72

Lord Chelmsford and the responsibility for Isandhlwana. Brian Robson. map Army Qtr 102: 81-90 Oct '71

Lord de Grey and Army reform 1859-1866. Anthony Denholm. Army Qtr 102:57-64 Oct '71

Marlborough--the international commander. Maj R.E. Scouller. Army Qtr 102:438-450 Jul '72

India

India and Pakistan--what now? LtCol A.A. Mains. Army Qtr 102:298-302 Apr '72

NATO

How many divisions? A NATO-Warsaw Pact assessment. Col Delbert M. Fowler. illus tabs Mil Rev 52:76-88 Nov '72

Russia

Commander's personal example. ColGen Y. Ivanovsky. illus Soviet Mil Rev No. 3:2-5 Mar '72

Fighting experience and combat training. Gen I. Pavlovsky. illus Soviet Mil Rev No. 5:2-5 May '72

Lenin on the new type of Army. Col A. Pozmogov. Soviet Mil Rev No. 4:11-13 Apr '72

Soviet ground force logistics. Graham Turbiville. illus map Army Log 4:18-21+ Jul-Aug '72

Tanks and APCs in defence. MajGen A. Zyryanov. Soviet Mil Rev No. 4:20-22 Apr '72

ARMY - ContinuedRussia - Cont'dHistory

The militant union in the making. Col N. Pankratov. illus Soviet Mil Rev No. 9:11-13 Sep '72

Organization

Soviet land mine warfare. Bernard F. Halloran. illus Mil Engr 64:115-118 Mar-Apr '72

Tooth and tail: The debate rages on (Army organization). Lloyd Norman. illus Army 22:27-29 May '72

United StatesSee also

Army Materiel Command  
Army Topographic Command  
Chemical Corps  
Continental Army Command  
Signal Corps  
Transportation Corps

The all-volunteer armed force--its feasibility and implications. Col Jack R. Butler. illus Parameters 2:17-29 Spring-Summer '72

Another step forward with CARS (Combat Arms Regimental System). Raymond E. Bell, Jr. Armor 81:36-39 Sep-Oct '72

Another view of the need for change. Col Richard M. Jennings. illus Mil Rev 52:82-94 Sep '72

The Army and society. LtCol Frederic J. Brown. illus Mil Rev 52:3-17 Mar '72

The Army: Where are we going? Robert F. Froehlke. Persp in Def Mgt, pp 39-45, Autumn '72

Building a "new" Army: Results begin to show. (Reprinted from U.S. News & World Report, March 6, 1972) illus Soldiers 27:32-33 Apr '72

The challenge of change. Gen Bruce Palmer, Jr. illus Army 22:20-23 Oct '72

Communications and today's Army. Gen W. C. Westmoreland. illus Signal 27:6-9 Sep '72

A conversation with Gen (William C.) Westmoreland (as broadcast on CBS TV's Face the Nation, Dec 19, 1971) Interview. illus Soldiers 27:5-9 Mar '72

The Department of the Army: Why their emphasis is on people. Interview. Robert F. Froehlke. illus Govt Exec 4:54-55 Apr '72

(Excerpts from AUSA's Annual Meeting, Washington, Oct 9-11, 1972). Eric C. Ludvigsen. illus Army 22:37-42 Nov '72

The Froehlke flair: It just might work. illus Armed Forces J 110:32 Dec '72

Haig new Army VC/S. Armed Forces J 110:20 Oct '72

The impact of societal change on the U.S. Army. LtCol William L. Hauser. illus Parameters 1:9-17 Winter '72

Just follow the rainbow toward the Army of tomorrow. (SSgt William Slease directs Modern Volunteer Army Office in the Pentagon) MSgt Jack Holden. illus Soldiers 27:37-41 Mar '72

Meeting the challenge of coalition security. LtCols Zeb B. Bradford, Jr and Frederic J. Brown. illus Mil Rev 52:4-19 Jun '72



ARMY - ContinuedUnited States - Cont'd

- Modern Volunteer Army (MVA). 1stLt Jonathan H. Fussner. illus Fld Artilleryman No. 49:65-71 Feb '72
- The Modern Volunteer Army (MVA): A product of junior officers. 2dLt Carl G. Schott. illus Infantry 62:6-8 Jul-Aug '72
- Mutual support in Army Aviation. LtCol Arthur E. Magary. illus USA Avn Dig 18:34-35 Mar '72
- (1972 Army Green Book: Status reports) illus Army 22: entire issue Oct '72
- Nixon names a 2-star for no. 2 Army job (and other AF general officer activity announced). AF Times 33:5 Sep 20 '72
- On positive thinking in the Army. LtCol Robert M. Joyce. Persp in Def Mgt, pp 69-73, Spring '72
- One Army team works in West Virginia. CWO Michael Lopez. illus USA Avn Dig 18:26-27 May '72
- Peace-keeping with pride and integrity. Robert F. Froehke. illus Army 22:16-19 Oct '72
- Proud image for the Army--Under Secretary (Kenneth E.) BeLieu faces challenge of building esprit de corps. illus Ordnance 57:204-205 Nov-Dec '72
- Relevant power: Putting the salt water back in national strategy. Brooke Nihart. Armed Forces J 109: 28-31 Feb '72
- Repercussions from the Vietnam mobilization decision. LtCol John D. Bruen. illus Parameters 2: 30-39 Spring-Summer '72
- Rolling (across U.S.) and rapping (about Army life). SP4 Chuck Noland. illus Soldiers 27:10-13 Jan '72
- Taming of a paradox; the challenges of a volunteer Army. Augustus Thomas. illus Army 22:10-18 May '72
- Today's questions, tomorrow's Army. LtGen John Norton. illus Army 22:83-86 Oct '72
- Tomorrow and beyond. (Jeane Dixon predicts the Army's future) LtCol Bob Chick. illus Soldiers 27:39-41 Dec '72
- (Tremendous period of change for Army and Armor) (Banquet address, U.S. Armor Assoc, Fort Knox, Ky, May 19, 1972) Gen Bruce Palmer. illus Armor 81:57-59 Jul-Aug '72
- The view from the tank: Interviews with the Joint Chiefs. illus Armed Forces J 109:36-44 Jan '72
- A volunteer Army cannot be recruited "on the cheap." illus Armed Forces J 109:44-46 Jun '72
- Volunteers a greater disciplinary problem? Armed Forces J 109:17-18 Jan '72
- Westmoreland praises "critical role"--Army's challenges comparable to Pershing's day. Gen William C. Westmoreland. Officer 48:11+ Mar '72

Directories

- Command and staff (1972 directory). pors Army 22: 113-122 Oct '72

History

- The A.E.F. through French eyes. Lee Kennett. illus Mil Rev 52:3-11 Nov '72
- Depression Army. Col John M. Collins. illus tab Army 22:8-14 Jan '72

ARMY - ContinuedUnited States - Cont'dHistory - Cont'd

- From Sand Creek to My Lai: Misunderstandings surround military misadventures. William Gardner Bell. illus map Armor pt 1, The Sand Creek massacre. 81:6-12 May-Jun '72; pt 2, The Piegan massacre. 81:22-26 Jul-Aug '72; pt 3, The battle of Wounded Knee. 81:30-35 Sep-Oct '72
- A historian looks at the Army. Russell F. Weigley. illus Mil Rev 52:25-36 Feb '72
- The Steuben legacy. John Leach. illus Infantry 62: 14-16 Jan-Feb '72
- The U.S. Army in the 1880's--soldiers of the renaissance. Duane E. Miller. illus tab Mil Rev 52:27-39 Jun '72
- "Valley Forge, Custer's ranks, San Juan Hill and Patton's tanks..." An Army is born. illus Armed Forces J 109:34-35+ Jun '72

Organization

- Brigade: Casualty of technology? Maj Paul J. Kirkegaard. illus Infantry 62:46-48 Jan-Feb '72
- The Field Artillery Center team. LtCol Charles W. Montgomery, Ret. charts Fld Artilleryman No. 49: 81-83 Feb '72
- The new order. (U.S. Army Photographic Agency becomes U.S. Army Audio-Visual Agency) Col Warren R. Colville. illus Signal 27:33-37 Sep '72
- New regiments, new divisions. John Pettit West III and William Kyer West. illus Mil Rev 52:34-42 May '72
- Tooth and tail: The debate rages on (Army organization). Lloyd Norman. illus Army 22:27-29 May '72

Vietnam (Republic)

- Logistics self-sufficiency (for Vietnamese). Col Thomas J. O'Donohue and Maj Martin N. McGeary, Jr. charts illus Army Log 4:20-23 May-Jun '72
- U.S.-ARVN engineer training. Maj Robert W. Whitehead. Mil Engr 64:95 Mar-Apr '72

Warsaw Pact

- How many divisions? A NATO-Warsaw Pact assessment. Col Delbert M. Fowler. illus tabs Mil Rev 52:76-88 Nov '72

ARMY, 7th

- New iron for NATO's backbone. (7th Army deals with internal problems) L. James Binder. illus Army 22:6-15 Jul '72

ARMY, 8th

- In Korea, quiet but watchful vigilance. Gen John H. Michaelis. illus Army 22:67-72 Oct '72

ARMY, ALASKA

- Mercy logistics. (Army Alaska's rescue operations) illus Army Log 4:26-29 Nov-Dec '72

ARMY, EUROPESee also

- Army, 7th
- Army support of coalition security. LtCols Zeb B. Bradford, Jr and Frederick J. Brown. illus Mil Rev 52:4-21 May '72

ARMY, EUROPE - Continued

The Berlin Brigade--soldiering well ... with a little help from our friends the West German taxpayers. illus AF Times, Family sup:23+ Sep 20 '72

Coping with people problems. Interview. MajGen Frederic E. Davison. illus Soldiers 27:10-13 May '72

Homecoming. (25,000 Army troops processed out of Europe) Pat Thomasson. illus Translog 3:19-23 Mar '72

'Lean, tight,' Europe aims to set pace. Gen Michael S. Davison. illus Army 22:42-47 Oct '72

Sprucing up in Europe. Lt Carl G. Schott. illus Army 22:33-35 Apr '72

T hour plus 2 1/2. (U.S. Forces in Western Europe) Jac Weller. illus Review 51:17-19+ Jan-Feb '72

Television service expands in Europe. Lee Ewing. AF Times 32:22 Mar 8 '72

"Wake up--it's war!" (8th Infantry Division field training exercise) SP4 John Larson. illus Soldiers 27:60-61 May '72

ARMY, PACIFIC

Transition poses fresh challenges (as war winds down). Gen William B. Rosson. illus Army 22:50-53 Oct '72

ARMY, VIETNAM

Wrapping it up in South Vietnam. LtGen William J. McCaffrey. illus Army 22:57-64 Oct '72

ARMY AND AIR FORCE EXCHANGE SERVICE see

Exchanges--Air Force--U.S.

Exchanges--Armed Forces--U.S.

ARMY ARTILLERY AND MISSILE SCHOOL see Army Field Artillery SchoolARMY AVIATIONFrance

Aviation in the French Army. illus USA Avn Dig 18:28-32 Sep '72

Great Britain

Army Aviation. J. D. R. Rawlings. illus charts Air Pict pt 1, Organisation, tasks, and equipment. 34:296-299 Aug '72; pt 2, Flying with the Army. 34:349-352 Sep '72; pt 3, Taking up arms. 34:386-388 Oct '72

United States

Always boring in--(Army) Aviator of the Year (LtCol Robert F. Molinelli). illus Soldiers 27:48 Jan '72

Army Aviation Reserve. MajGen J. Milnor Roberts. illus map USA Avn Dig 18:4+ Mar '72

Aviation safety in combat--an appraisal of the experiences of Army Aviation unit commanders in RVN. illus tabs USA Avn Dig 18:36-45+ Feb '72

Aviation warrant (officer)--a new career pattern. Col Thomas E. Anderson. illus USA Avn Dig 18:3-9+ Jul '72

Aviation warrant (officer)--where to from here? Capt Michael L. Moran. USA Avn Dig 18:2+ Jul '72

Aviator support to a counterinsurgency war. Col DeLyle G. Redmond. illus USA Avn Dig 18:8-11+ Jun '72

Choice: FHG (Flying Hour Goal) or AEI (Aviation Efficiency Index). LtCol Martin R. Vissers. illus USA Avn Dig 18:24-27 Nov '72

ARMY AVIATION - ContinuedUnited States - Cont'd

Enlisted aviation MOS (Military Occupational Specialty) tests. Capt Robert Dorgan. USA Avn Dig 18:14-15 Jul '72

Looking into the future (of Army Aviation). BrigGen William J. Maddox, Jr. illus USA Avn Dig 18:2-3 Mar '72

Low level (navigation) proficiency. Capt Carl A. Meyer. illus USA Avn Dig 18:2-5 Apr '72

A management challenge: Army Aviation in the National Guard. BrigGen James S. Brooks. illus USA Avn Dig 18:5-7 Mar '72

Mutual support in Army Aviation. LtCol Arthur E. Magary. illus USA Avn Dig 18:34-35 Mar '72

National Guard Aviation prepares for readiness role. LtCol Charles R. Jones. illus USA Avn Dig 18:18-21 Mar '72

The new challenge (for Army Aviation). LtGen John J. Tolson. illus USA Avn Dig 18:2-3+ Dec '72

Prime tactical lessons of the Vietnam War--three innovations. LtCol John R. Galvin. illus Army 22:16-20 Mar '72

A strange kinda bird. (Aviation battlefield support) Maj Peter J. Barrett. USA Avn Dig 18:2-3 May '72

The three W's (who, what, where). Gene Berta. illus USA Avn Dig 18:50-51 Aug '72

Unique aviation safety inspection team travels Vietnam. William W. Johnson. illus USA Avn Dig 18:26-27 Feb '72

The way of the future: Low level. LtCol Donald R. Hull. illus USA Avn Dig 18:2-3+ Oct '72

We cover the Americas. (206th Aviation Co (AHS)) LtCol Gary V. Dennison. illus USA Avn Dig 18:32-34 Jul '72

Why USAASO (U.S. Army Aeronautical Services Office) sez? Col George Rogers. illus USA Avn Dig 18:18-22 Jan '72

History

From fabric to FLIR (Forward Looking Infra Red). BrigGen William J. Maddox, Jr. illus USA Avn Dig 18:2-3 Jun '72

Wings South: The first foreign employment of air power by the United States. (Mexican Punitive Expedition of 1916) Maj James L. Crouch. illus Aerosp Hist 19:27-31 Mar '72

ARMY COMPUTER SYSTEMS COMMAND

Army's handling of software. chart illus Govt Exec 4:62-63+ Apr '72

ARMY FIELD ARTILLERY SCHOOL

Cannons and computers. Capt Darrel L. Gerke. illus Fld Artilleryman No. 49:35-37 Feb '72

Choosing an artillery school. Capt Merrill L. Bartlett. MarCor Gaz 56:53-54 Apr '72

The Field Artillery Center team. LtCol Charles W. Montgomery, Ret. charts Fld Artilleryman No. 49:81-83 Feb '72

ARMY GENERAL STAFF

Nixon names a 2-star for no. 2 Army job (and other AF general officer activity announced). AF Times 33:5 Sep 20 '72

ARMY GENERAL STAFF - ContinuedDirectories

Command and staff (1972 directory). pors Army 22: 113-122 Oct '72

ARMY MATERIEL COMMAND

See also subcommands by name, e.g.,

Missile Command  
Munitions Command

Eleven ways to reduce packaging costs. Alan D. Henry. illus Army Log 4:8-11+ Jan-Feb '72

Materiel management. (Address, AMC Executive Seminar, May 12, 1972) Gen William C. Westmoreland. illus Army Log 4:14-17 Jul-Aug '72

New systems, lab discoveries mark AMC's 10th year. Gen Henry A. Miley, Jr. illus Army 22:36-39 Oct '72

Part of your team--U.S. Army Materiel Command. Lt Steven M. Jareo. illus Infantry 62:10-11 May-Jun '72

SPEEDEX (System-wide Project for Electronic Equipment at Depots, EXtended): AMC's information processing system for depots. Ralph R. Tappen. illus Army Log 4:16-20 Nov-Dec '72

USAMC transportation moves ahead in automatic data processing. William C. Rabold. illus Translog 3:8-9 Dec '71-Jan '72

ARMY TOPOGRAPHIC COMMAND

Map overprints: An additional dimension in intelligence. Capt Hinton Crockett. illus Infantry 62: 40-41 Jul-Aug '72

ARMY WAR COLLEGE

Psychological dimensions of Army students attending the U. S. Army War College: An analysis. LtCol Peter B. Petersen. illus tab Parameters 2:60-70 Spring-Summer '72

ARNOLD, Henry H.

Men who made the Air Force. Herman S. Wolk. illus AU Rev 23:9-23 Sep-Oct '72

ARNOLD ENGINEERING DEVELOPMENT CENTER

Arnold Center develops mobile pollution detector. AF Times 32:38 Jun 28 '72

Arnold checks pollution. AF Times 32:43 Jul 26 '72

Groundwork for aircraft. William G. Holder. illus Ordnance 57:151-154 Sep-Oct '72

ARREST

Apprehension and arrest procedures. TIG Brief 24:17-18 Jun 16 '72

ART

Air Force art. Pictorial. Airman 16:43-47 Jan '72

Experience before all. (Sculptor Capt Chester Comstock) Barney Halloran. illus Soldiers 27:26-27 Jun '72

Gallery. (Paintings of U. S. military aircraft) Airman 16:24-31 Sep '72

Recruiting posters WW I. Pictorial. US Nav Inst Proc 98:68-82 Feb '72

25(th) anniversary portfolio (from the Air Force Art Collection). AF Mag 55:165-167 Sep '72

United States Navy combat art. Pictorial. US Nav Inst Proc 98:74-89 Jun '72

ARTILLERYSee also

Guns  
Mortars

The science of riposte. Fraser Scott. illus RUSI J for Def Studies 117:27-29+ Mar '72

TACFIRE--an innovation in artillery. George E. Miller. illus tab Armor 81:8-13 Jul-Aug '72

Army--Great Britain

The British artillery meteorological system. illus tab Intl Def Rev 5:366-369 Aug '72

Army--Russia

Teamwork (in an artillery battery). LtCol I. Tsvetkov. Soviet Mil Rev No. 4:24-25 Apr '72

Study and Teaching

Artillerymen's mastery. ColGen G. Peredelsky. illus Soviet Mil Rev No. 10:12-15 Oct '72

ARTILLERY, ANTI-AIRCRAFT

Air superiority comes first. Maj Norman E. Wells. illus AU Rev 24:10-25 Nov-Dec '72

Soviet antiaircraft guns. Col V. Prokhorov. illus Soviet Mil Rev No. 4:38-40 Apr '72

ARTILLERY, ANTITANK

The Milan weapon system. illus (Also cutaway) tabs Intl Def Rev 5:172-176 Apr '72

Soviet armor comes to Vietnam--a surprise that needn't have been (after Korea). Bernard F. Halloran. illus Army 22:19-23 Aug '72

ARTILLERY, FIELD

Field artillery operations. tabs Fld Artilleryman No. 50:74-84 Oct '72

Equipment

Field artillery equipment. tabs illus Fld Artilleryman No. 50:4-49 Oct '72

Organization

Field artillery organization. illus charts Fld Artilleryman No. 50:50-73 Oct '72

Study and Teaching

Choosing an artillery school. Capt Merrill L. Bartlett. MarCor Gaz 56:53-54 Apr '72

ASIA

Aspects of Asian security. WgComdr Maharaj K. Chopra, Ret. map illus Mil Rev 52:42-51 Nov '72

The eagle and the dragon: Washington-Peking contact has broad naval implications. Lawrence Griswold. illus maps Sea Power 15:28-32 Apr '72

Events in the Middle East and Asia (varies slightly). A. H. S. Candlin. Regular feature in some issues of Army Quarterly and Defence Journal

The strategic implication of double rapprochement in triangular confrontation. LtGen Wego W. K. Chiang. illus NATO's Fifteen Nations 17:44-47 Jun-Jul '72

History

Naval diplomacy and the failure of balanced security in the Far East--1921-1935. LCDR William S. Johnson. illus Nav War Col Rev 24:67-88 Feb '72



ASIA - ContinuedStrategic Importance

Japan's Taiwan dilemma. Joseph Z. Reday. illus US  
Nav Inst Proc 98:49-53 Mar '72

ASIA, EASTERNStrategic Importance

East is no longer least. LtCol William V. Kennedy.  
illus Mil Rev 52:52-56 Mar '72

ASIA, SOUTHEASTERN

The other Southeast Asia. Richard Butwell. Persp in  
Def Mgt, pp 17-27, Autumn '72

ASSIGNMENTS, MILITARYSee also

Tours of Duty

Abrams' OK hinges on Lavelle probe (and other star  
actions announced). AF Times 32:4 Jul 12 '72

Active duty service commitments. TIG Brief 24:5  
Mar 10 '72

Airmen in ConUS kick off new job exchange plan. AF  
Times 32:4 Jan 26 '72

Base-choice improves--skills to govern returnee  
match-up. Bruce Callander. AF Times 33:1+  
Aug 30 '72

Base-choice retained for prior-service men. AF  
Times 32:19 May 10 '72

(Col Lucius) Theus, on star list, gets personnel slot  
(as Special Assistant to the Director of Personnel  
Plans for Social Actions, and other general  
officer changes announced). AF Times 32:11  
May 24 '72

DOD security job goes to (BrigGen Joseph J.)  
Cappucci (and other general officer job shifts  
announced). AF Times 32:2 Mar 15 '72

15 get star hikes--Senate confirmation required  
(and general officer transfers announced). illus  
AF Times 32:5 Mar 29 '72

Five brigadier generals get tapped for assignments.  
AF Times 32:3 Apr 19 '72

(Gen Frederick) Weyand takes Viet command (and  
Gen John W. Vogt is named deputy). AF Times  
32:3 Jul 12 '72

(Gen Horace M.) Wade named to no. 2 job (AF Vice  
Chief of Staff). illus AF Times 32:4 Mar 29 '72

(Gen Jack J.) Catton to head AFLC, (LtGen George  
B.) Simler going to MAC (and other general officer  
action announced). AF Times 33:2 Aug 16 '72

(Gen John C.) Meyer takes SAC reins; (Gen Bruce K.)  
Holloway to advisor job (and other stars reas-  
signed). AF Times 32:8 May 17 '72

(Gen John D.) Lavelle loses rank--retires as three  
star (and other stars are reassigned). AF Times  
32:3 May 17 '72

General Magathan reassigned. Parameters 1:77  
Winter '72

General officer changes. Regular feature in News  
Call section of some issues of Army

Generals make moves (and announce retirements).  
AF Times 33:17 Aug 9 '72

Hire the handicapped. Col John R. Byers. illus  
Armor 81:26-29 Sep-Oct '72

ASSIGNMENTS, MILITARY - Continued

House unit probes (Gen John D.) Lavelle retirement  
(and other general officer activity is announced).  
AF Times 32:10 Jun 7 '72

How to make flag rank--don't wander far from home.  
Thomas C. Steinhauser. Armed Forces J 109:20+  
Jul '72

(Lt)Gen (Fred M.) Dean plans June retirement (and  
promotions and reassignments announced). AF  
Times 32:4 May 3 '72

(LtGens Alonzo A.) Towner (and Robert G.) Ruegg  
to retire; other three-stars shifted. AF Times  
32:3 May 10 '72

'The long blue line.' (ADM John S. McCain, Jr  
retires as Commander-in-Chief, Pacific and  
VADM Noel Gayler will replace him) Editorial.  
Sea Power 15:7 Apr '72

(MajGen Donavon F.) Smith, (LtGen James) Sherrill  
take command in Alaska (and other general officer  
actions announced). AF Times 32:2 May 31 '72

Many airmen offer assignment swaps. AF Times 32:4  
Feb 2 '72

Marines name new major generals, brigadier generals.  
Armed Forces J 110:17 Sep '72

New two-stars analyzed (and other general officer  
activity described). AF Times 32:21 Mar 1 '72

Nine generals get new assignments. AF Times  
32:2 Jun 14 '72

Nixon names a 2-star for no. 2 Army job (and other  
AF general officer activity announced). AF Times  
33:5 Sep 20 '72

Nurse, AF's second lady general (Ethel A. Hoeffly), to  
pin on star (and other general officer activity  
announced). AF Times 32:5 Jul 5 '72

Pursley, 44, McDivitt, 43 to retire this summer (and  
other general officer actions announced). illus AF  
Times 32:4 Jun 21 '72

Pursley receives 3d star, 5AF job (and other star  
assignments and star retirements announced).  
AF Times 33:4 Oct 25 '72

SAC commander Holloway to retire after 35 years  
(and other generals reassigned). illus AF Times  
32:8 Jan 19 '72

7 officers win stars (and other general officer actions  
announced). AF Times 33:8 Nov 29 '72

7 two-stars top shifting generals (and other stars  
retire or are reassigned). AF Times 32:8  
Jun 28 '72

Shuffles seen as war ends. AF Times 33:10 Nov 22 '72

Star selections made (and reassignments announced).  
MarCor Gaz 56:4 Sep '72

Star status: Army, Navy, Air Force. Regular feature  
in issues of Armed Forces Journal

Swaps 'business' found--matchup for cash? AF Times  
32:8 Mar 15 '72

33 generals earned eagles (as Scouts; general officer  
transfer activity announced). AF Times 32:5  
Apr 26 '72

23 to pin on stars--biggest month yet (and other  
general officer activity announced). AF Times  
32:10 Aug 2 '72

ASSOCIATION OF THE U.S. ARMY

(Excerpts from AUSA's Annual Meeting, Washington, Oct 9-11, 1972). Eric C. Ludvigsen. illus Army 22:37-42 Nov '72

14 new resolutions adopted (at AUSA's 1972 Annual Meeting). Army 22:45-47 Nov '72

President's report. Edward C. Logelin. illus Army 22:43-44 Nov '72

ASTRONAUTICS see Space FlightASTRONAUTS

Afer, Apollo 16 mates prepare for moon voyage. AF Times 32:41 Apr 12 '72

Apollo 15 crew reprimanded--moon stamp smuggling criticized. AF Times 32:6 Jul 26 '72

Apollo 15 photo album. Pictorial. Space World I-2-98 23-31 Feb '72

Apollo 17 crew named. Space World I-2-98:49 Feb '72

The astronaut corps above and beyond ... Mid2C Raymond Paul Wiggers, Jr. illus US Nav Inst Proc 98:46-51 Oct '72

Astronauts: The corps dwindles. AF Times 32:59 Jun 14 '72

'Buzz' Aldrin to retire. AF Times 32:5 Jan 26 '72

Gemini spacecraft--how it works: The total story of Gemini. illus (Also cutaways) Space World pt 1, I-12-108:4-40 Dec '72

Mission to Descartes. David Baker. illus map Space-flight pt 1, 14:246-251 Jul '72; pt 2, 14:287-291 Aug '72

Mission to Taurus-Littrow, Apollo 17 landing site. illus Spaceflight 14:342-343 Sep '72

The moon voyagers. Pictorial. H.R. Kaplan. Review 51:65-67+ Jan-Feb '72

Soviet cosmonautics and scientific and technical progress. V. Sevastanov and Y. Faddeyev. Space-flight I-9-105:16-21 Sep '72

Space experiment in ESP. Capt Edgar D. Mitchell. (Adapted from Journal of Parapsychology, June 1971) illus Spaceflight 14:20-21 Jan '72

Sputnik to mutnik to--picnic! (The female astronaut is not far off) Carl R. Konkel and William G. Holder. Space World I-12-108:46-48 Dec '72

Wardroom in the sky (Skylab). Robert J. Boylan. illus (Also cutaway) Sea Power 15:24-28 Apr '72

ASTRONOMICAL RESEARCH

Eye on the universe (Orbiting Astronomical Observatory). illus Space World I-10-106:18-27 Oct '72

Space astronomy. J.S. Griffith. Spaceflight 14:139-142 Apr '72

Equipment

Small optical telescopes on the moon. E.H. Wells. illus (Also cutaway) Spaceflight 14:90-94 Mar '72

ASTRONOMYSee also

Radio Astronomy

Astronomical notebook. J. S. Griffith. Regular feature in some issues of Spaceflight

(Photomapping the entire sky in the southern hemisphere) Signal 27:50 Dec '72

ASTRONOMY - Continued

Space astronomy. J.S. Griffith. Spaceflight 14:139-142 Apr '72

ATLANTIC COMMAND

Exotic Dancer V. illus Air Reservist 24:12-13 Jul '72

50,000 'dance' in Carolinas (in Exercise Exotic Dancer V). AF Times 32:50 Jun 7 '72

ATLANTIC COMMAND, ALLIED see Allied Command Atlantic

ATLANTIC FLEET see Fleet, 2d

ATMOSPHERE, UPPER

Ariel 4 in orbit. illus tab Space World I-3-99:13-15 Mar '72

Ariel 4 in orbit. illus Spaceflight 14:94-95 Mar '72

NASA launches European spacecraft. illus Space World I-6-102:61-63 Jun '72

Potential of the Navy Navigation Satellite System in predicting ionospheric characteristics. V.L. Pisacane and M.M. Feen. maps tab illus Signal 27:14-18 Nov '72

Russian report. Space World I-3-99:37-42 Mar '72

Small scientific satellite (S<sup>3</sup>) to be launched. Space World I-2-98:35-38 Feb '72

Rocket Observations

Countdown at Thule (AB, Greenland). Capt Gary A. Guimond. illus Airman 16:17-19 Apr '72

ATMOSPHERIC RESEARCH see Atmosphere, Upper

ATTACHES, MILITARY

Beaten attache (Capt Elmer L. Alderfer) to stay. AF Times 32:13 Feb 2 '72

ATTACK AND DEFENSE (MILITARY SCIENCE)

Another helicopter concept. LtCol James Angeles, Ret. illus USA Avn Dig 18:24-27 Apr '72

Antilanding defence. LtCol V. Kokhanov. illus Soviet Mil Rev No. 8:14-17 Aug '72

Commander's personal example. ColGen Y. Ivanovsky. illus Soviet Mil Rev No. 3:2-5 Mar '72

Defence of coast. Col I. Vorobyov. illus Soviet Mil Rev No. 8:10-13 Aug '72

Force oriented defense. LtCol Robert Carmichael. illus Infantry 62:20-22 May-Jun '72

Guided missiles, fiction and reality. Adm Edward B. Ashmore. illus NATO's Fifteen Nations 17:54-55+ Feb-Mar '72

Housebreaking--combat style. LtCol Raymond E. Bell, Jr. illus Infantry 62:46-49 Jul-Aug '72

Infantry on defense: Success can depend on it. Jac Weller. illus Infantry 62:9-15 Nov-Dec '72

Initiative in the Vietnam War. Col Do Ngoc Nhan. illus Mil Rev 52:77-86 Aug '72

Mobile defense. Paul Carell. (Trans and condensed from a German publication) illus Mil Rev 52:77-82 Feb '72

More battle drill. Col Henry E. Kelly, Ret. Infantry 62:17 Jan-Feb '72

Night offensive. Col I. Vorobyov. illus Soviet Mil Rev No. 6:12-14 Jun '72



## ATTACK AND DEFENSE (MILITARY SCIENCE) - Continued

Tactics for the force oriented defense. Maj Joseph Keyes. illus Infantry 62:23-27 Jul-Aug '72

### ATTITUDES

The big picture. (Value of an NCO Academy) SMSgt James C. Worthington. USAF Instrs J 9:33-35 Winter '71-'72

General (John D.) Ryan's seven (safety) points: What's your attitude? MAC Flyer 19:8-9 Dec '72

The interaction between teacher and student. Steve Riskind. illus USAF Instrs J 9:38-47 Spring '72

What else do you teach? TSgt Richard F. Webb. USAF Instrs J 9:44-46 Winter '71-'72

### AUDIO-VISUAL AIDS

(Army has established an audio-visual agency.) Signal 26:58 May '72

The different visual aid (2x2 negative slide). Robert G. Smith. illus AF Compt 6:12-13 Apr '72

Drug education films now available. TIG Brief 24:7 Nov 10 '72

Have you seen these films on safety? TIG Brief 24:5 Nov 24 '72

ISD (Instructional Systems Development). Maj Leonard P. Zych and Capt Richard I. Smith. illus Navigator 19, No. 3:11-13 '72

The new order. (U. S. Army Photographic Agency becomes U. S. Army Audio-Visual Agency) Col Warren R. Colville. illus Signal 27:33-37 Sep '72

### AUDIO-VISUAL INSTRUCTION

Quest for the best. (Interview with Col J. L. Price, Jr) illus Airman 16:37-38 Sep '72

Visualization. TSgt Evariste J. Bisson. USAF Instrs J 9:48-50 Spring '72

### AUDITING

#### See also

Air Force Audit Agency

Centrally directed audits. Col John P. Bloom. illus AF Compt 6:28-31 Apr '72

### AUSTIN, James S., Jr

USAF Area Specialist Program. Maj James S. Austin, Jr and Jimmy Mitchell. illus AU Rev 23:65-71 Jul-Aug '72

### AUSTRALASIA

Australasia's changing world. Brig F. W. Speed. Army Qtr 102:291-297 Apr '72

### AUSTRALIA

#### Economic Conditions

The Australian naval situation. T. B. Millar. illus map tabs US Nav Inst Proc 98:208-221 May '72

#### Foreign Relations

##### Malaysia

After 152 years, Britain leaves Malaysia. John Marriott. Armed Forces J 109:24 Jan '72

##### Singapore

After 152 years, Britain leaves Malaysia. John Marriott. Armed Forces J 109:24 Jan '72

## AUTOMATIC DATA FIELD SYSTEMS COMMAND see Army Computer Systems Command

### AUTOMATIC DIGITAL NETWORK

Committing communications to the computer--Army Telecommunications Automation Program. Maj James W. Madden. illus Def Mgt J 8:50-54 Apr '72

Progress and potential of the AUTODIN system. (Address, AFCEA, Washington, June 8, 1972) BrigGen Harold R. Johnson, Ret. illus Signal 26:56-59 Jul-Aug '72

### AUTOMATIC LANDING SYSTEMS

The A. 300B Airbus--combining European experience. illus Interavia 27:65-66+ Jan '72

Air Inter and Air France--crew training for automatic flight. illus tab Interavia 27:63-64 Jan '72

Airport lighting and power supplies--the final landing aid. illus Interavia 27:499-501 May '72

Automatic flight: BEA's low visibility programme. illus Interavia 27:123-125 Feb '72

Concorde's automatic flight control system. illus Interavia 27:126-127 Feb '72

The DC-10 automatic flight guidance system. illus Interavia 27:244-245 Mar '72

(Doppler Microwave Landing System) Signal 27:54-55 Nov '72

Landing systems for future civil and military operations. M. Böhm. illus tab Interavia 27:394-396 Apr '72

The long road to Category III. illus tab Interavia 27:620 Jun '72

'Look ma, no hands!' (Automatic Carrier Landing System (ACLS) use in VF-213 and VF-114) LTs John C. Porter and N. R. Criss II. illus Approach 18:26-29 Jul '72

MLS (Microwave Landing System)--a better way to arrive. (Adapted from FAA Aviation News, May 1972) illus MAC Flyer 19:4-6 Dec '72

Plessey's move into Category III ILS. illus Interavia 27:249 Mar '72

TALAR (Tactical Landing and Approach Radar)--what is it? illus TAC Attack 12:28-30 Jul '72

Why aviation needs a new landing aid. Charles D. LaFond. tab Govt Exec 4:75+ Oct '72

#### History

Instrument landing systems--radio landing aids from the Zeppelin to Category III. E. Kramar. illus Interavia 27:246-248 Mar '72

### AUTOMATIC VOICE NETWORK

Noise and circuit loss measurements via European AUTOVON (1970-71). Marshall L. Cain. illus Signal 26:22-25 Apr '72

USAF Maintenance Evaluation Program (MEP). TIG Brief 24:7 Nov 24 '72

### AUTOMATION

#### See also

Electronic Data Processing Systems

(AFCS has started automation of air traffic control) Signal 26:59 May '72

An Air Force professional--the base communications officer. MajGen Lee M. Paschall. illus Signal 26:48-50+ Jan-Feb '72



AUTOMATION - Continued

- Army tactical data systems. (Address, AFCEA, Washington, June 7, 1972) BrigGen Albert B. Crawford, Jr. illus Signal 27:17-19 Sep '72
- The Army TeleCommunications Automation Program (ATCAP). (Address, AFCEA, Washington, June 6, 1972) LtGen George E. Pickett. Signal 26:33-35 Jul-Aug '72
- Automation--are you ready for it? Maj Henry Gaude. illus charts USAF TAWC Rev 3:4-9 Apr '72
- Base Engineer Automated Management System (BEAMS). TIG Brief 24:15-16 Apr 21 '72
- Computerized automation and the combat leader. Maj Joseph F. Paone. illus Infantry 62:52-54 May-Jun '72
- Future communications requirements of the fleet satellite communications systems. (Address, AFCEA, Washington, June 7, 1972) RADM Samuel L. Gravely, Jr. illus Signal 27:14-16 Sep '72
- The many faces and interfaces of SACCS (SAC Automated Command Control System). David W. Townsend, Jr. illus Signal 26:8-13 Apr '72
- The next decade: Communications-electronics in the DOD. BrigGen George A. Pappas, Jr. Signal 26:16-18+ Jan-Feb '72
- Processor managed communication systems. M.W. Caquelin. Signal 26:12-14 May '72
- What's happening in teleprocessing systems? BrigGen Harold R. Johnson, Ret. illus Signal 26:21-24+ Jan-Feb '72

AUTOMOBILES

- Deadline set for shipping foreign cars. Bob Horowitz. AF Times 33:1+ Nov 22 '72
- Drug traffickers face loss of vehicles. TIG Brief 24:16 Jan 28 '72
- Foreign cars face clean air controls. AF Times 32:40 Jul 26 '72
- Liberal auto, h(ouse)h(old) goods rules periled. Bob Horowitz. AF Times 33:1+ Sep 27 '72
- Mechanical problems can become a hazard during summer driving. TIG Brief 24:2 Jun 16 '72
- O'sea people save on cars. AF Times 32:22 Apr 5 '72
- Rules tightened on auto shipment (and extra household goods). AF Times 33:4 Oct 25 '72
- Ruling allows recoup of shipping costs--entitlement withheld in error. AF Times 32:13 Jul 26 '72
- Shipment of autos debated. AF Times 33:9 Oct 18 '72
- Shipping a car overseas? Some tips on what to do--advice from MTMTS. George Post. tab AF Times 32:24 May 10 '72
- So you're buying a car. LtCol Steve Urette. illus tabs Soldiers 27:41-44 Jul '72
- Space-A moving restored for foreign-bought autos. AF Times 33:6 Dec 13 '72
- Standard auto decals (for access to Navy and Marine Corps bases). MarCor Gaz 56:10 May '72

Drivers and Driving  
See Motor Vehicles--Drivers and Driving

Engines

- Is the Wankel the auto engine of the future? (Reprinted from Changing Times, July 1972) illus TAC Attack 12:8-11 Oct '72

AUTOMOBILES - ContinuedMaintenance and Repair

- Winterize for safety. TIG Brief 24:10 Nov 10 '72

AUTOPILOT

- That's why I let George do it. Maj Charles L. Pocock. MAC Flyer 19:26-27 Oct '72

AUXILIARY POWER SYSTEMS see Space Vehicles--Power SupplyAUXILIARY SHIPS

See also  
Hospital Ships  
Icebreakers

United States

- A flexible ship and a more responsive Navy. F. W. S. Locke, Jr and Virginia Withington. illus tab Nav War Col Rev 25:54-70 Sep-Oct '72
- The MPDS--Message Processing and Distribution System: A special report from the Seventh Fleet. illus Signal 27:33-34 Dec '72
- USNS Hayes (T-AGOR-16): The Navy's twin-hulled fracture finder. Merle Macbain. illus Sea Power 15:22-26 Nov '72

AVIATION

For articles on commercial air transportation companies see Airlines; for articles on technical and technological aspects of aviation and aircraft see Aeronautics; for popular, nontechnical articles on the pleasures of flying see Flying.

See also  
Flights, Famous and Historic

- God's kingdom of flying men. (Mission Aviation Fellowship of Fullerton, Calif) Martin Cole. illus Am Avn Hist Soc J 17:36-39 Spring '72

International aviation digest. Regular feature in some issues of Interavia

Exhibitions

See also  
Aerobatics

Argentina

- Argentine celebration (International Aeronautical and Space Exposition) lauds AF anniversary. AF Times 33:23 Dec 6 '72

Czechoslovakia

- Brno: The Czechoslovakian shop window. (Report on 14th International Industrial Exhibition, Sep 1972) Ulrich V. Nagel. tab illus Interavia 27:1260-1261 Nov '72

Germany (Federal Republic)

- Further reflections on Hanover (Air Show, 1972)--the mixture as before. illus Interavia 27:759-761 Jul '72
- The Hannover (Air) Show '72. Sita M. Freeman. illus Aerosp Intl 8:20-23 May-Jun '72
- Hanover (1972 Air Show) photo report. Air Pict 34:204-206 Jun '72
- A plethora of lightplanes (at 1972 Hanover Air Show). illus Interavia 27:762-763 Jul '72
- Politics take precedence--reflections on Hanover (Air Show) 1972. Michael Brown. illus Interavia 27:596-599 Jun '72

## AVIATION - Continued

Exhibitions - Cont'dGreat Britain

The British air industry at Farnborough. Arthur Reed. illus NATO's Fifteen Nations 17:50-59 Aug-Sep '72

Farnborough-Europe 72: Report on the S. B. A. C. Show. illus Air Pict 34:376-379 Oct '72

Farnborough '72--equipment and missiles. illus Interavia 27:1194-1200 Nov '72

Foreign aircraft at Farnborough. Gordon Swanborough. illus NATO's Fifteen Nations 17:61-67 Aug-Sep '72

The SBAC show goes multilingual (Farnborough-Europe 72). John Brindley and Michael Brown. illus tab Interavia 27:1084-1087 Oct '72

Italy

The Italian aerospace industry takes stock (for Turin 5th International Aerospace Show, June 1-11, 1972). illus Interavia 27:605-607 Jun '72

Italy pushes collaboration at Turin (5th International Aerospace Show, June 1972). M. Grangier. illus Interavia 27:853-855 Aug '72

Switzerland

Airports and equipment manufacturers under one roof. (2d International Airport Construction and Equipment Exhibition and the 12th Annual Congress of the International Civil Airports Assoc, Geneva, June 19-23, 1972) Klaus Höhle. illus Interavia 27:870-872 Aug '72

United States

Curse you, Red Baron. (Flying Circus Aerodrome, Bealton, Va) Philip R. Smith, Jr. illus Soldiers 27:49-52 Jan '72

The 1972 Reading (Pa, 23d General Aviation) Show (June 6-9, 1972). Douglas Cornell. illus Interavia 27:810-811 Aug '72

1973--the year of the business jet--a report on the NBAA (National Business Aircraft Assoc) show. J. Philip Geddes. illus Interavia 27:1257-1259 Nov '72

RAF's Red Arrows streak toward Transpo '72. illus Armed Forces J 109:32 Apr '72

History

Balloons to jets: From hot air to hotter air. illus Armed Forces J 110:34+ Sep '72

Flying machines--an 1890s essayist reviews the progress. Bill Nye. illus MAC Flyer 19:6-7 Jan '72

Jet journey: Today--a P-80, tomorrow--what? LtCol Lane W. Smith. (Reprinted from Flying Safety, June 1945) illus TAC Attack 12:22-23 Sep '72

A tribute to Igor Sikorsky. Claude Witze. illus AF Mag 55:26-27 Dec '72

Laws and RegulationsSee Air LawPhysiological Aspects

See also specific conditions, e. g.,

Decompression  
Hypoxia  
Motion Sickness  
Vertigo

## AVIATION - Continued

Physiological Aspects - Cont'd

Aeromedic. Regular feature in some issues of United States Army Aviation Digest

Aeromedical considerations in the management of paranasal sinus barotrauma. J. P. Smith and D. E. Furry. tabs Aerosp Med 43:1031-1033 Sep '72

Analysis of pilot assessment of workload. W. J. Krzanowski and A. N. Nicholson. illus tabs Aerosp Med 43:993-997 Sep '72

Biological effects of simulated high altitude climate in pressurized commercial planes on passengers and flying personnel. S. W. Tromp. illus tab Aerosp Med 43:446-449 Apr '72

Comparison of the sensitivity to rotation of pilots and nonpilots. Brant Clark and John D. Stewart. illus tabs Aerosp Med 43:8-12 Jan '72

Continuous ECG recording of helicopter instructor pilots. William P. Schane. illus tabs Aerosp Med 43:560-563 May '72

Desynchronization of body temperature and performance circadian rhythm as a result of outgoing and homegoing transmeridian flights. K. E. Klein and others. illus tabs Aerosp Med 43:119-132 Feb '72

Doc talk. (Flying above 50,000 feet without a pressure suit) Maj Frederic M. Brown. Interceptor 14: 20-21 Sep '72

Duty hours and sleep patterns in aircrew operating world-wide routes. Anthony N. Nicholson. illus tabs Aerosp Med 43:138-141 Feb '72

Dysbarism. LtCol Nicholas E. Barreca. illus USA Avn Dig pt 1, 18:4-9 Dec '72

EM's 'time clock' just like officer's. AF Times 32:4 Jul 5 '72

Effect of altitude acclimatization and simultaneous acclimatization to altitude and cold on critical flicker frequency at 11,000 ft altitude in man. C. S. Nair and others. illus tabs Aerosp Med 43:1097-1100 Oct '72

Effect of environmental temperature on sweat onset during motion sickness. Joseph A. McClure and Alfred R. Fregly. illus tab Aerosp Med 43:959-967 Sep '72

Effect of hydrochlorothiazide on  $G_z$  tolerance in normotensives. J. R. Pfaff and P. D. Newberry. illus tabs Aerosp Med 43:1225-1229 Nov '72

Functional hypoglycemia: A potential cause of unconsciousness in flight. Marcus E. Raichle and William H. King. illus Aerosp Med 43:76-78 Jan '72

High temperature and performance in a flight task simulator. P. F. Iampietro and others. illus tab Aerosp Med 43:1215-1218 Nov '72

How's your circadian rhythm? Maj William F. Gabella. USA Avn Dig 18:54-55 Jun '72

Nixon may feel 'jet lag.' AF Times 32:51 Mar 1 '72

Passenger fluid volumes measured before and after a prolonged commercial jet flight. Philip C. Johnson and others. tab Aerosp Med 43:6-7 Jan '72

Physiologic stress during 50-hour double-crew missions in C-141 aircraft. H. B. Hale and others. tabs Aerosp Med 43:293-299 Mar '72



## AVIATION - Continued

Physiological Aspects - Cont'd

- Physiological and psychological implications of syncope resulting from altitude-chamber training: A case report. G.M. Stone and D.E. Furry. *Aerosp Med* 43:79-80 Jan '72
- Physiological effects of backscatter of high intensity light pulses on the human pilot. Arthur R. Zeiner and others. *illus Aerosp Med* 43:1008-1013 Sep '72
- Pilot incapacitation: An expression of convergent factors. P. Bartek and J.G. Gaume. *illus tab Aerosp Med* 43:974-977 Sep '72
- Positioning of aircrews--ultima ratio of G protection? Harald J. von Beckh. *illus Aerosp Med* 43:743-754 Jul '72
- Radiobiological problems caused by supersonic transport (with a survey of the first results established by tests performed on board the Concorde prototype). R.P. Delahaye and others. *tabs Aerosp Med* 43:782-784 Jul '72
- Relation between a pilot's sensory perception of linear accelerations and the aircraft motion. Bernard Caiger. *illus Aerosp Med* 43:957-958 Sep '72
- Say again all after "ATC clears." Capt Thomas L. Doane. *tabs USA Avn Dig* 18:15-17 Feb '72
- Stapedectomy: A threat to flying safety? Russell B. Rayman. *tab Aerosp Med* 43:545-550 May '72
- Task of a medical department in civil aviation. Kornelis Vaandrager. *Aerosp Med* 43:439-445 Apr '72
- That extra margin (anti-G suit). *illus Approach* 17: 10-13 Mar '72
- Time zone entrainment and flight stressors as interactants. H.B. Hale and others. *illus Aerosp Med* 43:1089-1094 Oct '72
- Vestibular illusions and how to whip them. Maj Bennett G. Owens, Jr. *illus USA Avn Dig* 18:12-15 May '72

Psychological Aspects

- Physiological and psychological implications of syncope resulting from altitude-chamber training: A case report. G.M. Stone and D.E. Furry. *Aerosp Med* 43:79-80 Jan '72
- Psychosocial reconstruction inventory: A postdictal instrument in aircraft accident investigation. Robert E. Yanowitch and others. *Aerosp Med* 43: 551-554 May '72

Toxicological Aspects

- Fumes in the cockpit. LtCol Russell B. Rayman. *tab Aerosp Safety* 28:21 May '72
- Toxicology of dichlorvos at operational aircraft cabin altitudes. P.W. Smith and others. *tabs Aerosp Med* 43:473-478 May '72

AfghanistanHistory

- Aviation in Afghanistan. M.J. Hardy. *illus tab Air Pict* 34:122-127 Apr '72

AustriaHistory

- Military aviation in Austria-Hungary, 1893-1918. Gunther Rothenberg. *illus Aerosp Hist* 19:77-82 Jun '72

## AVIATION - Continued

Bulgaria

- The Bulgarian scene. Paul R. Duffy. *illus Air Pict* 34:80-82 Mar '72

ChinaHistory

- George Conrad Westervelt, CAPT, USN, at the beginning of Chinese Aviation. William M. Leary. *illus Am Avn Hist Soc J* 17:92-95 Summer '72

Switzerland

- Radio Suisse--Switzerland's link with the world. *illus tab Interavia* 27:719 Jul '72

History

- The Swiss Air Force. Florian Davatz. *illus tab Aerosp Hist* 18:170-177 Dec '71

United StatesHistory

- The flying pioneers: William C. Diehl, pioneer airplane builder, pilot, instructor. Harold E. Morehouse. *illus Am Avn Hist Soc J* 17:28-29 Spring '72
- The McCormick-Romme umbrellaplane, 1911. Robert B. Casari. *illus Am Avn Hist Soc J* 17: 156-162 Fall '72
- Transpacific flight. Sally Macready Liston. *illus map Am Avn Hist Soc J* 17:21-25 Spring '72
- Wrights: Close to giving up. *AF Times* 33:43 Dec 27 '72

AVIATION, COMMERCIAL

Here are entered general articles on transportation of personnel and/or cargo by commercial aircraft.

See also

Air Cargo  
Airlines  
Airports

- Before Madrid (1st World Congress on Air Transportation and Tourism)--opportunities missed. *Interavia* 27:577 Jun '72
- The changing face of air transport. *Interavia* pt 1, What lies in store for the airlines? Rolf H. Wild. 27:367-369; pt 2, Problems of management in airlines. Stephen Morse 27:369-370 Apr '72
- The defenders. Rolf H. Wild. *illus Interavia* 27:521 May '72
- IATA fiddles while the problems burn--the 27th A(nnual) G(eneral) M(eeting). *illus Interavia* 27:82-83 Jan '72

Economic Aspects

- Air industry, users in tailspin. *AF Times* 32:15 Jan 12 '72
- The changing face of air transport. *Interavia* pt 1, What lies in store for the airlines? Rolf H. Wild. 27:367-369; pt 2, Problems of management in airlines. Stephen Morse. 27:369-370 Apr '72
- The economics of the Concorde. *illus tabs Interavia* 27:828-830 Aug '72
- Facts and figures for reflection. *Interavia* 27:107 Feb '72
- Financing (Concorde) development and sales. *Interavia* 27:827 Aug '72
- 'How much does the ticket cost?' Knut Hagrup. *illus Armed Forces J* 110:26-27 Nov '72



AVIATION, COMMERCIAL - ContinuedEconomic Aspects - Cont'd

IATA's 28th Annual General Meeting (London, Sep 25-27, 1972)--the message was "adapt or die."  
Max Nibloe. illus Interavia 27:1192-1193 Nov '72

Improving load factor control. Jacques Monbeig and André Sykens. illus Interavia 27:1205-1207 Nov '72

A new fare deal. Interavia 27:197 Mar '72

Federal Aid

CAB on getting off the ground. (Scheduled air service to small communities) Govt Exec 4:13 Aug '72

Foreign governments aid civil aviation industries. illus Govt Exec 4:42-43 Jun '72

International AspectsSee also

Airplane Hijacking

European air transport problems. Hans Suessenguth. illus Def Trans J 28:34-38 May-Jun '72

ICAO: Does its need continue? (Interview with Betty Crites Dillon) Charles D. LaFond. illus Govt Exec 4:63-66 Aug '72

Peking reaches for the sky. Gene Gregory. illus Interavia 27:765-766 Jul '72

Supersonic travel is worthwhile. Interavia 27:805 Aug '72

Laws and RegulationsSee Air LawStatistics

Facts and figures for reflection. Interavia 27:107 Feb '72

Hong Kong

Hong Kong gets mobile--by helicopter. Peter Illiffe-Moon. illus Air Pict 34:96-98 Mar '72

PolandHistory

Junkers F 13 in Poland. Günter G. Endres. illus tab Air Pict 34:362-363 Sep '72

Russia

Aeroflot--the fastest growing airline. illus map Interavia 27:162-164 Feb '72

United States

AAC (Aviation Advisory Commission)--will it defy tradition? illus Govt Exec 4:18 Oct '72

Boeing's medium-haul challenger--the advanced 727-200. illus Interavia 27:347-348 Apr '72

Shaping air transportation to meet national defense needs. (Adapted from address, NDTA 26th Annual Transportation and Logistics Forum, Minneapolis-St Paul, Oct 6, 1971) Robley L. Mangold. illus Def Trans J 28:32-35 Mar-Apr '72

History

Plight of the Anzac Clipper. M. D. Klaas. illus Am Avn Hist Soc J 17:174-177 Fall '72

AVIATION CLUBS see Aero Clubs

AVIATION MEDICINESee also

Space Medicine

AVIATION MEDICINE - Continued

Aeromedic. Regular feature in some issues of United States Army Aviation Digest

Aeromedical considerations in the management of paranasal sinus barotrauma. J. P. Smith and D. E. Furry. tabs Aerosp Med 43:1031-1033 Sep '72

Aeromedical consultation service case report: Evaluation of asymptomatic flying personnel with intermittent supraventricular arrhythmias. John E. Douglas. illus tab Aerosp Med 43:323-330 Mar '72

Aerospace medical research in defense systems development. BrigGen George E. Schafer. illus Def Mgt J 8:39-44 Jul '72

Aircraft accident in the Faroe Islands in 1970: Observations from a medical point of view, with special reference to spinal fractures. Hans Debes Joensen and Hogni Debes Joensen. illus tabs Aerosp Med 43:665-670 Jun '72

Aircraft accidents/incidents among aircrewmembers flying with medical waiver. Russell B. Rayman. tabs Aerosp Med 43:1265-1269 Nov '72

Airline pilot incapacitation in flight. R. C. Leighton-White. Aerosp Med 43:661-664 Jun '72

Aural responsivity of a pilot following endolymphatic shunt surgery. J. Robert Dille and others. illus tabs Aerosp Med 43:435-438 Apr '72

Biological effects of simulated high altitude climate in pressurized commercial planes on passengers and flying personnel. S. W. Tromp. illus tab Aerosp Med 43:446-449 Apr '72

Decompression sickness in USAF operational flying, 1968-1971. Sidney T. Lewis. tabs Aerosp Med 43:1261-1264 Nov '72

Diagnosis: Warrior syndrome. Col Noah C. New. MarCor Gaz 56:58-60 May '72

Functional hypoglycemia: A potential cause of unconsciousness in flight. Marcus E. Raichle and William H. King. illus Aerosp Med 43:76-78 Jan '72

Hazard rate of recurrence in germinal cell tumors of the testis. Fred G. Conrad and others. illus tabs Aerosp Med 43:893-897 Aug '72

Hazard rate of symptomatic recurrence in Hodgkins Disease. Fred G. Conrad and others. tabs Aerosp Med 43:1020-1023 Sep '72

Hazard rate of symptomatic recurrence in lymphosarcoma. Fred G. Conrad and others. tab Aerosp Med 43:1144-1146 Oct '72

House Appropriations Committee hearings: Briefing-NPRM71-31, Medical certification and surveillance: Air carrier flight crewmembers. P. V. Siegel. Aerosp Med 43:1150-1154 Oct '72

Hyperactive cardio-inhibitory reflex manifested by a near-syncope episode: A case report. George M. Stone. illus Aerosp Med 43:450-451 Apr '72

Idiopathic central serous retinopathy (choroidopathy) in flying personnel. David L. Epstein and others. illus tabs Aerosp Med 43:1251-1256 Nov '72

Idiopathic subvalvular aortic stenosis: A case report in a pilot. H. Spencer Turner and others. illus tabs Aerosp Med 43:200-203 Feb '72

Intracranial aneurysm and sudden death. S. W. Berkheiser. illus Aerosp Med 43:331-332 Mar '72

# AVIATION MEDICINE - Continued

Medical factors in unlimited class air racing accidents. Richard G. Snyder and Audie W. Davis, Jr. illus Aerosp Med 43:512-519 May '72

Ocular complications of drug therapy. Thomas J. Tredici and David L. Epstein. Aerosp Med 43: 898-902 Aug '72

Passenger fluid volumes measured before and after a prolonged commercial jet flight. Philip C. Johnson and others. tab Aerosp Med 43:6-7 Jan '72

Periodic physical examination--a large investment with a small return. Arnold N. Lubin and Gerald D. Young, Jr. tabs Aerosp Med 43:1141-1143 Oct '72

Pilot incapacitation: An expression of convergent factors. P. Bartek and J. G. Gaume. illus tab Aerosp Med 43:974-977 Sep '72

Primary prevention of atherosclerotic cardiovascular disease among Sabena flying personnel. P. Anet and others. illus Aerosp Med 43:1147-1149 Oct '72

Pupillotonia (Adie's pupil): Diagnosis and significance in fliers. David L. Epstein and Thomas J. Tredici. illus Aerosp Med 43:555-559 May '72

Stapedectomy: A threat to flying safety? Russell B. Rayman. tab Aerosp Med 43:545-550 May '72

Task of a medical department in civil aviation. Kornelis Vaandrager. Aerosp Med 43:439-445 Apr '72

To serve those who fly. (Aeromedical Consultation Service, USAF School of Aerospace Medicine, Brooks AFB, Tex) Col John W. Ord and LtCol William H. King. illus Aerosp Safety 28:14-16 May '72

## Research

### See also

Aviation--Physiological Aspects

## AVIATION RECORDS

Here are entered articles on record flying time for a given distance. For articles on time spent in flying by an individual pilot to maintain his proficiency rating see Flying Time. For articles on logs and reports of a flight see Flight Records.

Army 18923 FL 400. (293d Aviation Company makes performance record flights) Maj Brownie D. West. illus USA Avn Dig 18:28-29 Mar '72

A dream called "Long Flight." (Non-stop distance record for unrefueled turboprops) Maj Robert P. Everett. illus Airman 16:2-8 Jul '72

Giant balloon sets record. AF Times 33:21 Nov 22 '72

Long-distance flight record set by HC-130. (Ching Chuan Kang AB, Taiwan to Scott AFB, Ill) AF Times 32:58 Mar 8 '72

Two (LtCols Thomas B. Estes and Dewain C. Vick) win Mackay Trophy--pilot SR-71 to record (for sustained speed at high altitudes). illus AF Times 32:3 Aug 2 '72

## AVIONICS

Aerospace electronics in Italy. illus Interavia 27:608-609 Jun '72

C-5 avionics testing. Maj Donald L. Ritenour. Navigator 19, No. 2:23-25 '72

The case for collaboration--British avionics looks at Europe. Interavia 27:957-958 Sep '72

# AVIONICS - Continued

EMI (ElectroMagnetic Interference) and mission compatibility. Ronald Jackson. illus Signal 26:33-35 Jan-Feb '72

How computers will fly tomorrow's airplanes. Interview. BrigGen K. R. Chapman. illus AF Mag 55:28-35 Jul '72

Is ICAO fully equipped to meet the challenge of modern technology? T. M. B. Wright. Interavia 27:251 Mar '72

U.S. ATC changes boost general aviation avionics demands. James Holahan. illus tabs Interavia 27: 1096-1098 Oct '72

## Exhibitions

Farnborough '72--equipment and missiles. illus Interavia 27:1194-1200 Nov '72

## Equipment

French industry's stake in the avionics equipment field. Jean-Michel Treille. illus tabs Interavia 27:749-750 Jul '72

# AWARDS, DECORATIONS, ETC

## United States

### See also

Air Force Cross  
Distinguished Service Medal  
Honors  
Medal of Honor

AFA to air war, R&D issues. (Topics to be addressed and awards to be presented at AFA Convention, Washington, Sep 18-21, 1972) AF Times 33:15 Sep 13 '72

ANG General (William W. Spruance) wins McClellan Award. AF Times 33:23 Nov 8 '72

Air Force Association units and individuals honored at the (1972) Convention. Table only. AF Mag 55: 78 Nov '72

Air National Guard's outstanding units. (Outstanding Unit Award winners) illus Air Reservist 24:6-7 May '72

Air University Review awards program. (LtCol Earl W. Renfro, Jr receives annual award for outstanding article in FY 72; other winners announced) AU Rev 23:64 Jul-Aug '72

Aircrews lauded at AFA parley. AF Times 33:5 Oct 4 '72

Always boring in--(Army) Aviator of the Year (LtCol Robert F. Molinelli). illus Soldiers 27:48 Jan '72

Andrews (AFB, Md), Grissom (AFB, Ind) win 'Comfort Silver.' illus AF Times 33:54 Oct 4 '72

Annual awards (of Aerospace Medical Assoc, 1947-1972). Tables only. Aerosp Med 43:810-811 Jul '72

Armed Forces decorations and awards. Color photos only. AF Times, Family sup:10-11 Mar 1 '72

Army Aviation Broken Wing (Aviation Safety) Award. Pat Thompson. illus USA Avn Dig 18:46-50 Apr '72

Award nominees sought for gallery of air heroes. AF Times 32:55 Apr 5 '72

Awardee, front and center. (The ritual of presentation) John Kidner. illus Soldiers 27:50-51 Dec '72



## AWARDS, DECORATIONS, ETC - Continued

United States - Cont'd

- Awards at the 1972 Air Force Association National Convention, Washington. Table only. AF Mag 55: 60-61 Nov '72
- (Awards, NGAUS 94th General Conference, San Francisco, Sep 11-14, 1972) illus Natl Guardsman 26: 4-38 Nov '72
- Broken Wing (Aviation Safety) Award (presented to CW3 Kenneth W. Green and Capt William E. Bolling). illus USA Avn Dig 18:41 Mar '72
- Broken Wing (Aviation Safety) Awards (presented to Cpts Elias B. Baker and Richard J. Williams and WO1 Clifford W. Lemen). illus USA Avn Dig 18: 62-63 Sep '72
- Broken Wing (Aviation Safety) Awards (presented to CW3 Brian R. Arsenault and CW2 Gary M. Butler). illus USA Avn Dig 18:55 Feb '72
- Capt (George C.) Johnston (named) USAF Flight Surgeon of Year. illus Aerosp Med 43:930 Aug '72
- Commitment to Defense Department human goals. (Reserve Components Domestic Action Program awards) illus Air Reservist 24:6-7 Jun '72
- Competitions--Comfort Silver, Combat Airlift, William Tell. illus Air Reservist 24:4-5 Nov '72
- The day the 31st Fighter Group won its unit citation. Jim Brooks. illus AF Mag 55:73-75 Oct '72
- Eligibility criteria established for ARNG/USAR Achievement Medal. illus Natl Guardsman 26:13 Mar '72
- Engineers in the ROTC--1972. illus tabs Mil Engr 64:343-347 Sep-Oct '72
- (Excerpts from AUSA's Annual Meeting, Washington, Oct 9-11, 1972). Eric C. Ludvigsen. illus Army 22:37-42 Nov '72
- 48th (Fighter Interceptor Sq) wins (1971) Hughes Trophy. illus Interceptor 14:17-19 Feb '72
- Giant Voice review. (449th Bomb Wg wins Fairchild Trophy) G. Francis Farrell. illus Combat Crew 23:4-8 Feb '72
- Hennessy winners (Eglin AFB, Fla and Taipei AS, Taiwan) revealed. AF Times 32:4 Apr 19 '72
- Hughes' AF trophies symbolically elusive. AF Times 32:18 Jan 26 '72
- LtCol (Nicholas E.) Barreca (named) Army Flight Surgeon of Year. illus Aerosp Med 43:929 Aug '72
- (LtGen Samuel C.) Phillips wins (Gen Thomas D. White) Space Trophy (for 1971). AF Times 33:21 Oct 4 '72
- McConnell (381st Strategic Missile) Wing wins Blanchard Trophy (in 5th Annual Missile Combat Competition, Vandenburg AFB, Calif, April 6-8, 1972). illus AF Times 32:37 May 3 '72
- (Marine Corps) Aviation Association awards. illus MarCor Gaz 56:8 Nov '72
- 1st Marines awarded PUC (Presidential Unit Citation) for Operation Meade River. illus MarCor Gaz 56:4 Jan '72

## AWARDS, DECORATIONS, ETC - Continued

United States - Cont'd

- Medal rules get tougher--heroism defined. AF Times 32:51 Feb 16 '72
- Medals & decorations award criteria. AF Times, Family sup:12 Mar 1 '72
- (NDTA) Military Unit Awards (for outstanding service in field of transportation and logistics). Def Trans J 28:120+ Sep-Oct '72
- Nine AFROTC cadets win Freedoms (Foundation) Award. Officer 48:26 Jun '72
- '72 conclaves, highlights. (Summary of the NGAUS 94th General Conference, San Francisco, Sep 11-14, 1972 and AFA's 26th National Convention, Washington, Sep 17-21, 1972) illus Air Reservist 24:8-9 Nov '72
- Outstanding Unit Award (to USAFR and ANG units). illus Air Reservist 24:3 Nov '72
- Prisoner medal rejected as damaging to morale. AF Times 33:2 Dec 13 '72
- SOLE awards program. Lewis J. Williams. Log Spectrum 6:4-6 Spring '72
- A salute to (MajGen) W. Thomas Rice (Ret, Chmn and Chief Executive Officer, Seaboard Coast Line Railroad)--National Transportation Award winner. illus Def Trans J 28:26-29 Jul-Aug '72
- Speed medal credits (for quick conversion to WAPS points). AF Times 32:2 Jul 19 '72
- The story of 883. (AC-119K crew earns the Mackay Trophy) illus Airman 16:35-36 Jan '72
- Thomas Rice (Chairman and Chief Executive Officer, Seaboard Coast Line Railroad) selected for (1972) National Transportation Award. illus Def Trans J 28:91 May-Jun '72
- Two (LtCols Thomas B. Estes and Dewain C. Vick) win Mackay Trophy--pilot SR-71 to record (for sustained speed at high altitudes). illus AF Times 32:3 Aug 2 '72
- USAF 1971 safety trophies. illus Aerosp Safety 28:16-17 Jul '72
- Unit awards (Armor and Cavalry) for service in the Republic of Vietnam (as of 31 March 1972). Armor 81:43-47 Sep-Oct '72
- The U.S. Air Force search for culinary excellence (and the Hennessy Trophy Award program). MajGen Jonas L. Blank. illus Review 51:29-30+ May-Jun '72
- What do your medals mean to you? Lee Ewing. AF Times, Family sup:9 Mar 1 '72
- What is an American? NGAUS, ANG, states and individual Guardsmen win Freedoms Foundation awards for 1971. Natl Guardsman 26:29 Mar '72
- William Tell 72--what it's all about. illus Interceptor 14: entire issue Nov '72
- Wings in competition. (A review of Olympic Arena 1972) illus Combat Crew 23:6-7+ Jun '72
- Year of the Titan. Capt Donald R. Carter. Combat Crew 23:4-5 Jun '72



BAT see Belt, Aerial Thrust

BMEWS see Ballistic Missile Early Warning System

### BACHELORS, MILITARY

- AF proposes BAQ change to benefit bachelors. AF Times 33:4 Dec 13 '72
- Bachelor housing bright. Bob Towle. AF Times 33:1+ Oct 25 '72
- Bachelor housing requirements. TIG Brief 24:21 Sep 15 '72
- Base motels may bar bachelors. AF Times 32:20 Jul 19 '72
- Defense takes AF BAQ view. Bob Towle. AF Times 32:1+ May 31 '72
- 8,000 bachelors face BAQ loss. Bob Towle. AF Times 33:1+ Aug 9 '72
- Hunt on for BAQ \$\$--DOD lets more live off base. Bob Towle. AF Times 32:3 Jun 21 '72
- Singles tour cut overseas. Bruce Callander. AF Times 32:1+ May 10 '72

BACTERIOLOGICAL WARFARE see Chemical-Biological Warfare

BAGLEY, David H.

- Ombudsman makes good--portrait of Vice Admiral David H. Bagley. Heather M. David. por Sea Power 15:32-33 May '72

BAILEY, James A.

- Meet BrigGen James A. Bailey. por AF Compt 6:9 Apr '72

BAILEY, Mildred C.

- The woman in uniform--how liberated can she be? Margaret Eastman. por AF Times pt 1, Family sup:6-9+ Mar 15 '72; pt 2, Servicewomen speak out. Family sup:6-11+ Apr 5 '72; pt 3, Some people in uniform are more equal than others. Family sup:24-25+ Apr 19 '72

BAILOUTS see Parachute Jumping

### BALANCE OF PAYMENTS

- The strategic implications of international monetary reform. Thomas W.M. Smith. tab Forum No. 16: 26-48 Fall '72

### BALANCE OF POWER

- Airpower's indispensable role. (Remarks, Armed Forces Day Luncheon, Columbus, Ohio, May 19, 1972) LtGen Glen W. Martin. AF Plcy Ltr for Comdrs: sup: No. 8:24-29 Aug '72
- America's defence crisis. LtCol A.J. Barker. tab Army Qtr 102:266-273 Apr '72
- A balance of powers (since WW II). Raymond J. Barrett. illus US Nav Inst Proc 98:18-24 Apr '72
- Balance of security. John S. Foster, Jr. illus Ordnance 57:44-47 Jul-Aug '72
- The complex problems of the southern NATO flank. Maj E. Hinterhoff. illus NATO's Fifteen Nations 17:32-39 Apr-May '72
- Contemporary foreign policy in historical perspective. (Address, Naval War College) Joseph C. Harsch. Nav War Col Rev 25:10-19 Nov-Dec '72
- The dangerous decade. Col Richard F. Rosser. illus AF Mag 55:44-48 Jan '72

### BALANCE OF POWER - Continued

- The Defense budget: Realities of deterrence and strategic priority. John S. Foster, Jr. Persp in Def Mgt, pp 1-5, Spring '72
- The deterrent role of Strategic Forces. LtGen Glen W. Martin. illus Signal 26:18-20 Mar '72
- The development of Soviet military policy. LtCol John G. Pappageorge. illus Mil Rev 52:36-43 Jul '72
- The dynamics of parity. Andrew J. Pierre. (Reprinted in part from Foreign Policy, Fall 1971) AF Mag 55:49-51 Jan '72
- Electronic warfare: Essential element of deterrence. Interview. BrigGen Theodore S. Coberly. illus AF Mag 55:36-41 Jul '72
- European security--a United States view. Robert Ellsworth. illus Royal United Svcs Inst for Def Studies J 116:5-12 Dec '71
- For realistic defense. Peter H. Dominick. Ordnance 56:282-284 Jan-Feb '72
- From leadership to partnership. Marc E. Geneste. illus tab Mil Rev 52:73-81 Mar '72
- The future course of world politics, 1972-1987. LCDRs Joseph C. Strasser and Richard H. Wytenbach. illus Nav War Col Rev 24:16-36 May '72
- How many divisions? A NATO-Warsaw Pact assessment. Col Delbert M. Fowler. illus tabs Mil Rev 52:76-88 Nov '72
- The Israeli Air Force. Martin J. Miller, Jr. illus tabs Ordnance 57:124-129 Sep-Oct '72
- Jane's aerospace review 71/72. John W.R. Taylor. illus AF Mag 55:24-33 Jan '72
- Kimmel, Short were not bad guys. (Address, 30th Anniversary Commemoration of Pearl Harbor, Verdugo Roost Dinner, Assoc of Old Crows, Burbank, Calif, Dec 8 1971) Gen Mark E. Bradley, Ret. tab Elect Warfare 4:20-21+ Winter '72
- Letter from London: Crawling arms talks and galloping arms race. NATO's Fifteen Nations 17:12-15 Apr-May '72
- Letter from London: Puzzled Britain peers anxiously into the future--domestic problems dwarf foreign activities. NATO's Fifteen Nations 17:12-14 Aug-Sep '72
- Meeting the challenge of change--a discussion of: Strategy for realistic deterrence; Defense funding considerations; Quality control of C&E equipment; Industry-military cooperation. BrigGen D.L. Werbeck. illus Signal 27:10-17 Oct '72
- The military and national interests. Col Robert Leider and Col C.F. Bunnell. illus MarCor Gaz 56:26-35 Nov '72
- The Military Balance: 1972-73. London's International Institute for Strategic Studies. illus tabs AF Mag 55:43-105 Dec '72
- Mutually balanced force reductions: The complex problem. (Research paper, Naval War College) LT Edward A. McKenney. illus Nav War Col Rev 24:29-41 Jun '72
- NATO: Defense and detente. Maj Frank A. Partlow, Jr. illus tabs Army 22:8-14 Dec '72

BALANCE OF POWER - Continued

National defense and national priorities. (Excerpts from study by the same name, prepared by the Council on Trends and Perspective of the Chamber of Commerce of the U.S.) tabs Signal 26:14-21 Apr '72; Excerpts from Chapter 3. Mil Rev 52: 68-79 May '72

Naval diplomacy and the failure of balanced security in the Far East--1921-1935. LCDR William S. Johnson. illus Nav War Col Rev 24:67-88 Feb '72

The new isolationism. William V. Kennedy. Ordnance 56:469-472 May-Jun '72

New perspective on aerospace defense. (Address, Fresno Chapter, Air Force Assoc, Fresno, Calif, Sep 9, 1972) MajGen H. A. Hanes. AF Plcy Ltr for Comdrs: Sup No. 10:2-8 Oct '72

The North Atlantic: The Norwegian Sea, a Scandinavian security problem. Capt Christer Fredholm. maps illus Nav War Col Rev 24:56-64 Jun '72

Now is the time (for all concerned Americans to study what is happening to the balance of power and what threat exists to the possibility of peace and the preservation of freedom). LtGen Richard T. Knowles. Ordnance 57:120-123 Sep-Oct '72

Planning NATO's forces. O. Caracciolo di Forino. illus NATO's Fifteen Nations 16:74-75+ Dec '71-Jan '72

Power in search of purpose. (Japan's future role in the balance of power) Terrell E. S. Arnold. Forum No. 13:70-91 Fall '71

The prospects for a European security conference. C. E. Morris. Army Qtr 102:7-11 Oct '71

A rationale for adequate U.S. aerospace forces. Gen John D. Ryan. illus tab AF Mag 55:50-53 May '72

The realities of arms limitations. CAPT Dominic A. Paolucci, Ret. illus tab US Nav Inst Proc 98:178-189 May '72

Relevant power: Putting the salt water back in national strategy. Brooke Nihart. Armed Forces J 109: 28-31 Feb '72

SALT and the strategic balance. London's International Institute for Strategic Studies. AF Mag 55:53-55 Dec '72

The seabed arms control issue 1967-1971: A super-power symbiosis? James A. Barry, Jr. Nav War Col Rev 25:87-101 Nov-Dec '72

The security of the southern oceans: Southern Africa, the key. Stewart Menaul. illus NATO's Fifteen Nations 17:40-46 Apr-May '72

The shifting balance. William E. Brock. illus Ordnance 56:366-368 Mar-Apr '72

The shifting strategic balance. (Position paper, Executive Council, NGAUS) Natl Guardsman 26: inside front cover Mar '72

Soviet-American arms negotiations--1960-68: A prelude for SALT. (Research paper, Naval War College, 1971) LT Eric W. Hayden. illus Nav War Col Rev 24:65-82 Jan '72

Soviet strategic thinking, 1917-1962: Some history reexamined. Robert M. Laske. (Edited from selected faculty lectures, Naval War College, 1971?) Nav War Col Rev 24:24-34 Feb '72

The strategic balance. AVM Neil Cameron. tab Royal Air Forces Qtr pt 1, The balance today. 11:169-175 Autumn '71; pt 2, The implication of new weapon systems. 11:253-258 Winter '71; pt 3, China, Europe and SALT. 12:1-5 Spring '72

BALANCE OF POWER - Continued

The strategic implication of double rapprochement in triangular confrontation. LtGen Wego W. K. Chiang. illus NATO's Fifteen Nations 17:44-47 Jun-Jul '72

The strategic nuclear balance "is turning against us." ADM Thomas H. Moorer. illus Officer 48:15+ May '72

Strategic sufficiency: A question of faith? Colin S. Gray. illus AF Mag 55:27-32 Apr '72

Summit and SALT (4 views). illus Sea Power pt 1, Effect of the pacts on U.S. security. Lawrence Griswold. 15:10+; pt 2, Moscow--then and now. George W. Healy, Jr. 15:11-12; pt 3, SALT: Some basic questions. Henry M. Jackson. 15:18-19; pt 4, Spy satellites will monitor pacts. William Beecher. 15:20-24 Jul-Aug '72

The theatre balance between NATO and the Warsaw Pact. London's International Institute for Strategic Studies. tabs AF Mag 55:68-71 Dec '72

USAFE: Responsibilities, up; defense budgets, down. John L. Frisbee. illus AF Mag 55:35-41 Feb '72

USSR tipping balance. LtGen Ira C. Eaker, Ret. AF Times 32:13 Jan 5 '72

(U.S. loss of strategic superiority) LtGen Ira C. Eaker, Ret. AF Times 32:13 Feb 9 '72

United States/Soviet Union Armed Forces personnel (1966 and 1971). tab Mil Rev 52:102 Jul '72

The view from Moscow: Okean and Jenbao--USSR's growing sea power and its alarm over Siberia. Lawrence Griswold. illus map Sea Power 15:11-17 May '72

BALLISTIC MISSILE EARLY WARNING SYSTEM

Eyes over the top. (BMEWS Site I) Capt Gary A. Guimond. illus Airman 16:6-10 Jan '72

The triad... plus 'one.' Col Sheldon I. Godkin. illus AF Mag 55:48-53 Nov '72

BALLISTIC MISSILES see MissilesBALLISTICS

Jet Shot. (A new propulsion device that can launch projectiles without sound, smoke, or flame) Col John J. Frost. illus Ordnance 56:386-390 Mar-Apr '72

BALLOONS

Balloons to jets: From hot air to hotter air. illus Armed Forces J 110:34+ Sep '72

French weather satellite (Eole) launch. illus Space World I-1-97:28-30 Jan '72

Giant balloon sets record. AF Times 33:21 Nov 22 '72

History

Aeronaut--Mk. 1. Col Glenn E. Fant, Ret. illus US Nav Inst Proc 98:90-92 Jun '72

BALTIC SEAStrategic Importance

The cork in the Baltic bottle. Lawrence Griswold. maps illus Sea Power 15:9-13 Jan '72

BALTIMORE, MD

Port of Baltimore: Gateway to America's heartland. H. R. Kaplan. illus Review 52:39-42+ Sep-Oct '72

BANDS (MUSIC)

Air Force bands. TIG Brief 24:14 Aug 18 '72



BANDS (MUSIC) - Continued

First chair stuff. (Army Band) Barney Halloran.  
illus Soldiers 27:14-15 Jun '72

MAC's musical clinic. Sgt Charles Wood. illus  
Airman 16:41-42 Dec '72

On a rainy Monday. (USAF Band on tour) Sgt Dave  
Cole. illus Airman 16:45-47 Apr '72

History

The military band. illus Maj Reginald Hargreaves.  
MarCor Gaz 56:36-39 Apr '72

BANGLADESH

Military operations in Bangladesh. WgComdr Maharaj  
K. Chopra, Ret. illus map Mil Rev 52:51-60  
May '72

BANKS AND BANKING

The Eximbank (Export-Import Bank): A truly support-  
able enterprise. Earl W. Clark. illus Def Trans J  
28:56-61 Mar-Apr '72

Oversea banking revised. AF Times 32:19 Jan 26 '72

BARGES

Future water transport. Maj William D. Siuru, Jr and  
William G. Holder. illus Ordnance 56:395-399  
Mar-Apr '72

New dimensions in sealift. LtCol Keith S. Kelly. illus  
Parameters 1:61-70 Winter '72

New technology in maritime cargo systems. (Four  
articles adapted from panel discussion on Con-  
tainerized Movement Systems) illus Def Trans J  
pt 1, Introduction. M.E. Parr. 28:34-36; pt 2,  
The cellular containership. A.J. Mayor. 28:36-38;  
pt 3, LASH. CAPT Adrian Spidle, Ret. 28:39-42;  
pt 4, Seabee. S.A. LeBlanc, Jr. 28:42-45 Jul-  
Aug '72

Sturgis delivers power wherever she goes. SGM H. S.  
Effron. illus Soldiers 27:42-46 Dec '72

The task was unprecedented--the story of the DeLong  
piers. James Zicarelli. illus Def Trans J pt 1,  
28:24-29 Mar-Apr '72; pt 2, 28:40-49 May-Jun '72

BAROODY, William J., Jr

It's not done with a crystal ball. (Assistant to the  
Secretary and DepSec of Defense) Thomas C.  
Steinhauser. por Armed Forces J 109:16 May '72

BARRACKS AND QUARTERSSee also

Housing

Air Force--U.S.

Assignment of family housing. TIG Brief 24:11-12  
Jul 14 '72

BAQ due for poor housing. Bob Towle. AF Times  
33:1+ Dec 13 '72

Bachelor housing bright. Bob Towle. AF Times 33:1+  
Oct 25 '72

Bachelor housing requirements. TIG Brief 24:21  
Sep 15 '72

Bachelor units top building funds bid. Bob Towle. tab  
AF Times 32:19 Apr 5 '72

Builder to be named for 'assembly-line' housing. AF  
Times 32:8 Jun 7 '72

Cash needed to solve housing problems. AF Times  
32:6 Jul 12 '72

BARRACKS AND QUARTERS - ContinuedAir Force--U.S. - Cont'd

Congress probing Hawaii housing. AF Times 32:9  
Mar 1 '72

Danger in the dorms! TIG Brief 24:8 Aug 18 '72

Deadline moved on housing bids. AF Times 32:19  
Jan 12 '72

8,000 bachelors face BAQ loss. Bob Towle. AF Times  
33:1+ Aug 9 '72

Exchanges offer cleaning service. AF Times 32:6  
Jan 12 '72

Family housing units set back. Bob Towle. AF Times  
32:1+ Aug 2 '72

50,000 get opportunity to give housing opinions. AF  
Times 32:40 May 31 '72

46 bases due housing improvement--funds still needed.  
AF Times 33:19 Aug 30 '72

Home upgrading projects planned at 46 installations.  
Bob Towle. tab AF Times 32:4 Feb 23 '72

Housing bid policy eased--process speeded. Bob  
Towle. AF Times 32:1+ Mar 22 '72

Housing functions due consolidation. Bob Towle.  
AF Times 32:1+ Apr 19 '72

Housing plans revised--most modular units dropped.  
Bob Towle. AF Times 33:3 Aug 16 '72

Housing priorities shifted--lower EM get break. Bob  
Towle. tab AF Times 32:1+ Mar 8 '72

Housing reforms pushed. AF Times 32:8 May 3 '72

Housing to slow in FY 74. Bob Towle. AF Times  
33:1+ Dec 20 '72

Hunt on for BAQ \$\$\$--DOD lets more live off base.  
Bob Towle. AF Times 32:3 Jun 21 '72

Improvements set for family units. Bob Towle. AF  
Times 32:1+ Jun 28 '72

'Mod' dorms top construction plans. Bob Towle.  
AF Times 32:1+ Feb 2 '72

More and better housing for Air Force families.  
Thomas L. Lord. illus AF Civil Engr 13:10-11  
Nov '72

Movable barracks ordered. AF Times 32:3  
May 10 '72

NAF cut slated. Bob Towle. AF Times 32:1+  
Jan 12 '72

Operating and maintaining Air Force family housing.  
TIG Brief 24:5-6 Sep 29 '72

Property responsibility. TIG Brief 24:9 Jul 14 '72

Rank vs need housing issue. Bob Towle. AF Times  
32:1+ May 3 '72

'Substandard' (housing) may help lower ranks. Bob  
Towle. AF Times 33:4 Aug 23 '72

Wives air housing, store gripes--no children in com-  
missaries? (AF Career Motivation Conference,  
Maxwell AFB, Ala, June 5-9, 1972) Sue Toma.  
AF Times 33:8 Aug 23 '72

Maintenance and Repair

Clean-up service near for on-base housing. AF  
Times 32:2 Mar 1 '72

Congress boosts funding for '73 housing program.  
Bob Towle. AF Times 33:2 Nov 22 '72



BARRACKS AND QUARTERS - ContinuedAir Force--U. S. - Cont'dMaintenance and Repair - Cont'd

Forecasting and accomplishing MFH renovation requirements. Capt William L. O'Dell, Jr. illus tabs AF Civil Engr 13:26-28 Feb '72

Reg (AFR 91-1) OKs hiring of cleaners. AF Times 33:7 Sep 13 '72

\$13.8 million requested to repair family housing. Bob Towle. AF Times 32:5 Feb 16 '72

Armed Forces--U. S.

Comptroller relaxes 'fill-quarters' policy--total cost a factor. AF Times 33:4 Sep 20 '72

DOD asks options on base housing. Bob Towle. AF Times 32:3 Mar 29 '72

Defense takes AF BAQ view. Bob Towle. AF Times 32:1+ May 31 '72

Excess housing listed for kin--3,040 units. AF Times 33:5 Sep 20 '72

Fair rent housing increased. AF Times 33:2 Oct 25 '72

Home right urged (by pressure from Congress) for young airmen. AF Times 33:4 Oct 11 '72

Requirements list E-4 housing needs. Bob Towle. AF Times 32:3 Apr 26 '72

25,000 families in substandards to get rent break. Bob Horowitz. AF Times 33:1+ Aug 23 '72

BASE EXCHANGES see ExchangesBASIL, Robert A.

DDR&E pushes import-export of weapons technology. Interview. Robert A. Basil. illus tab Armed Forces J 109:46+ Aug '72

BASS, Robert A.

AF Data System Design Center. Col Robert A. Bass illus AF Compt 6:9 Oct '72

BATTERIES

Electric power generation in space. illus Space World 1-8-104:15-34 Aug '72

BATTLEFIELD SURVEILLANCE see SurveillanceBATTLES

See also subdivision Campaigns and Battles under specific wars, e.g.,  
Korean War, 1950-1953--Campaigns and Battles  
Vietnamese Conflict, 1957- --Campaigns and Battles

World War I--Campaigns and Battles  
World War II--Campaigns and Battles

The American naval expedition to Penobscot, 1779. ENS Craig L. Symonds. map illus Nav War Col Rev 24:64-72 Apr '72

Lord Chelmsford and the responsibility for Isandhlwana. Brian Robson. map Army Qtr 102: 81-90 Oct '71

BAUTZ, Edward, Jr

So you want good training. MajGen Edward Bautz, Jr. por Armor 81:8-11 Nov-Dec '72

BEGGS, James M.

The hassle of being Under Secretary (Dept of Transportation). Interview. James M. Beggs. por Govt Exec 4:69+ Oct '72

State of the nation's transportation system. James M. Beggs. por Def Trans J 28:24-32 May-Jun '72

BEHAVIORISM (PSYCHOLOGY)

The Chinese mind: A probing and exploration. (Lecture, Naval War College, 1971) Clyde B. Sargent. illus Nav War Col Rev 24:41-49 Jan '72

Counseling aids. MSgt Carl K. Waters. USAF Instrs J 9:67-69 Winter '71-'72

Exit the tiger: Survival psychology for the ADC tiger. illus Interceptor 14:10-15 Jan '72

The interaction between teacher and student. Steve Riskind. illus USAF Instrs J 9:38-47 Spring '72

Must the professionals step aside again? (Behaviorism as the new panacea) LtCol Robert Leider. illus Army 22:40-45 Jun '72

Talking it out--antidote for company morale problems. Ch(Maj) Billy W. Libby and Capt Michael Rohrbaugh. illus Army 22:39-41 Dec '72

What else do you teach? TSgt Richard F. Webb. USAF Instrs J 9:44-46 Winter '71-'72

BEHRENS, William W., Jr

NOAA's Vice Adm(iral) William Behrens: "...Much to be done." por Govt Exec 4:34 Jun '72

BeLIEU, Kenneth E.

Proud image for the Army--Under Secretary Belieu faces challenge of building esprit de corps. por Ordnance 57:204-205 Nov-Dec '72

BELLIS, Benjamin N.

The coming cost crunch of the F-15. Interview. BrigGen Benjamin N. Bellis. por AF Mag 55:38-43 Jan '72

BELT, AERIAL THRUST

Marines push 'flying belt' idea. Brooke Nihart. illus Armed Forces J 110:20+ Dec '72

BENDER, Chester R.

The present role of the U. S. Coast Guard Reserve. ADM Chester R. Bender. por Officer 48:18+ Dec '72

BENEFITS see

Bonuses	Survivors Rights and Benefits
Fringe Benefits	Veterans Benefits

BENNETT, Donald V.

Defense (Intelligence) Agency commander gets a fourth star (and other star shifts announced). Armed Forces J 110:17 Sep '72

BENNETT, Fred G.

The silent threat. VADM Fred G. Bennett. por NATO's Fifteen Nations 17:101-108 Feb-Mar '72

BENTLEY, Helen D.

Proposal for a maritime bicentennial--how do you renovate a heritage? Bernadine M. Kopec. illus Sea Power 15:21-25 Oct '72

BERLIN

The Berlin Brigade--soldiering well ... with a little help from our friends the West German taxpayers. illus AF Times, Family sup:23+ Sep 20 '72

Berlin: West & Ost. Sgt1C D. Mallicoat. illus Soldiers 27:19-21 Aug '72

Tightrope to Berlin. MSgt L. B. Leonberger. illus Airman 16:12-15 Jun '72

BERLIN AIRLIFT

'Raisin bomber' (C-54) recalls airlift. AF Times 33:61 Sep 27 '72

The Stalingrad airlift: An eyewitness commentary (on "Stalingrad and Dien Bien Phu," by Donald R. Backlund, Aerosp Hist, Summer-Fall 1970). Wolfgang Pickert. Aerosp Hist 18:183-185 Dec '71.

BEST, William H., Jr

Change is for leaders. (Address, Arnold Air Society Dining-In, Purdue University, Lafayette, Ind, Dec 10, 1971) BrigGen William H. Best, Jr. AF Ploy Ltr for Comdrs: Sup No. 3:7-12 Mar '72

Demands of being a leader. (Address, ROTC Commissioning Exercise, St Louis University, May 14, 1972) BrigGen William H. Best, Jr. AF Ploy Ltr for Comdrs: Sup No. 8:8-12 Aug '72

BIELKOWICZ, Peter

Personal profile: Professor Peter Bielkowicz. por Spaceflight 14:181-182 May '72

BIOGRAPHY see subdivision under specific subjects, e.g.,

Air Force--Biography  
Army--Biography  
Navy--Biography

BIOLOGICAL RESEARCH

See also

Space Biology

BIOLOGICAL WARFARE see Chemical-Biological Warfare

BIRDS

Bird hazards to military aircraft. TIG Brief 24:8 Nov 10 '72

Birdstrike update. illus TAC Attack 12:16-19 Feb '72

Duck! illus Interceptor 14:5-7 Oct '72

Feathered flak. Combat Crew 23:26-27 Nov '72

Microscopic identification of bird blood following in-flight collision with aircraft. Dorothy G. Richey and John E. Prince. illus Aerosp Med 43:968-970 Sep '72

Midairs with birds. illus maps Approach 17:26-33 Mar '72

The taloned threat. (Falcons make runways safe at Torrejon AB, Spain) MSgt Loren B. Leonberger. illus Airman 16:47-50 Feb '72

Urea nitrogen--uric acid ratios as a means of identifying avian tissue. Emmett J. Stork. illus tab Aerosp Med 43:172-175 Feb '72

BLANK, Jonas L.

The U.S. Air Force search for culinary excellence (and the Hennessy Trophy Award program). MajGen Jonas L. Blank. por Review 51:29-30+ May-Jun '72

BLIMPS see Airships

BLOCKADE

Law of naval warfare. (Lecture, Naval War College, 1971?) CAPT William O. Miller. illus Nav War Col Rev 24:35-42 Feb '72

BLOOD

Changes in the hemostatic system and in blood and urine chemistry of human subjects following decompression from a hyperbaric environment. R. B. Philp and others. tabs Aerosp Med 43:498-505 May '72

Cigarette smoking and carbon monoxide. LtCol David Root. illus Aerosp Safety 28:14-15 Mar '72

Conducting a successful blood procurement program. TIG Brief 24:18 Nov 24 '72

Detour: Trouble ahead. (Alerting sickle cell carriers) SSgt Don Mallicoat. illus Soldiers 27:57-58 Mar '72

Effects of a multi-hour immersion on trained and untrained subjects: I. Renal function and plasma volume. D. Boening and others. illus tab Aerosp Med 43:300-305 Mar '72

Effects of a multi-hour immersion on trained and untrained subjects: II. Blood protein and electrolyte concentrations. D. Boening and others. illus Aerosp Med 18:415-418 Apr '72

Effects of in vivo inhalation of 100% oxygen at reduced pressure on serum and red cell lipids. Emmett L. Foulds and others. illus tabs Aerosp Med 43:651-655 Jun '72

Functional hypoglycemia: A potential cause of unconsciousness in flight. Marcus E. Raichle and William H. King. illus Aerosp Med 43:76-78 Jan '72

Observations on platelet changes in man after simulated diving. K. J. Martin and G. Nichols. illus Aerosp Med 43:827-830 Aug '72

Passenger fluid volumes measured before and after a prolonged commercial jet flight. Philip C. Johnson and others. tab Aerosp Med 43:6-7 Jan '72

Quantitation of serum proteins on whole blood--electroimmunodiffusion technique applicable to capillary blood. Jerry C. Daniels and others. illus tabs Aerosp Med 43:878-880 Aug '72

USAFE fights sickle cell. AF Times 33:3 Oct 4 '72

BLUE RIBBON DEFENSE PANEL

Blue Ribbon Defense Panel in perspective: The Pentagon still has five sides. James D. Hessman. Armed Forces J 109:45-47 Jan '72

BOATNER, Haydon L.

The lessons of Koje-do. MajGen Haydon L. Boatner. illus Army 22:34-37 Mar '72

BOATS

Claims policies liberalized for moving damage. Paul Collins and George Foster. AF Times 32:1+ May 17 '72

BODY ARMOR

The case for body armor. William A. Cohen. illus AF Mag 55:52-55 Mar '72

History

The case for body armor. William A. Cohen. illus AF Mag 55:52-55 Mar '72



BOEING CO

Boeing fighters. Peter Lewis. illus Air Pict pt 1, Army. 34:20-23 Jan '72; pt 2, Navy. 34:64-67 Feb '72

BOLIVIA

Development of river navigation in Bolivia. RAdm Orlando Roca Castedo. illus US Nav Inst Proc 98:119-122 Jun '72

BOMBER UNITS

(416th Bomb Wing) Griffiss (AFB, NY) marks 30th anniversary. AF Times 32:26 May 10 '72

Giant Voice review. (449th Bomb Wg wins Fairchild Trophy) G. Francis Farrell. illus Combat Crew 23:4-8 Feb '72

"Giant Voice"--the 1971 USAF Strategic Air Command bombing competition. George W. Pennick. illus tab Air Pict 34:218-219 Jun '72

History

The Jolly Rogers at Iron Range and Port Moresby (90th Bomb Gp). John S. Alcorn. illus map Am Avn Hist Soc J 17:178-183 Fall '72

BOMBING

A-7D Corsair II--that super-accurate SLUF (Short Little Ugly Feller). Capt Thomas G. Ryan. illus tab AF Mag 55:27-32 Mar '72

Attacking ground targets (in WW II). Col Avelin P. Tacon, Jr. illus TAC Attack 12:17-19 Sep '72

Cold smoke (for marking practice bombs). Maj Hugh Dibble. illus USAF TAWC Qtr Rpt 3:20-23 Jan '72

Dive deliveries and the iron sight. Maj Dewan Madden. illus USAF Ftr Wpns Rev, pp 10-19, Spring '72

Flying the SLUF blind. (TAC Test 71A-131F(A-7D Radar Nav/Bomb)) Maj G. I. Basel. illus USAF Ftr Wpns Rev, pp 4-7, Spring '72

Initial pipper position and tracking. Capt Alexander H. C. Harwick. illus tab USAF Ftr Wpns Rev, pp 18-25, Fall '72

Let's get serious about radar bombs. Maj Luther L. Crider. illus USAF Ftr Wpns Rev, pp 8-11, Fall '72

Manual air-ground. LtCol Robert K. Hanna. illus tab USAF Ftr Wpns Rev, pp 22-29, Summer '72

SLUF...to improve its accuracy. Capt William E. Barrineau. illus tabs USAF Ftr Wpns Rev, pp 1-6+, Summer '72

History

Strategic bombing and changing times. Col Albert P. Sights, Jr, Ret. illus AU Rev 23:14-26 Jan-Feb '72

BOMBING, NAVIGATION, ETCCompetitionsAir Force

Andrews (AFB, Md), Grissom (AFB, Ind) win 'Comfort Silver.' illus AF Times 33:54 Oct 4 '72

Combat Airlift Competition, 1971. Maj Francis X. Defonce and Capt Clark J. Kholos. illus Navigator 19, No. 1:5-7 '72

Comfort Silver--Reserve airlift, gunnery meet. Maj Robert W. Hunter. illus AF Mag 55:88-89 Nov '72

Competitions--Comfort Silver, Combat Airlift, William Tell. illus Air Reservist 24:4-5 Nov '72

BOMBING, NAVIGATION, ETC - ContinuedCompetitions - Cont'dAir Force - Cont'd

Giant Voice review. (449th Bomb Wg wins Fairchild Trophy) G. Francis Farrell. illus Combat Crew 23:4-8 Feb '72

"Giant Voice"--the 1971 USAF Strategic Air Command bombing competition. George W. Pennick. illus tab Air Pict 34:218-219 Jun '72

BOMBING RANGES

Guano and puff rounds: Navy starts Culebra pullout. map Armed Forces J 109:13 Feb '72

The new Bardenas Reales range. Maj Kenneth L. Deal. illus USAF Ftr Wpns Rev, pp 15-17, Summer '72

BOMBINGS, TERRORIST see TerrorismBOMBS

Airpower halts an invasion. (Based on interviews with Gens F. C. Weyand, L. D. Clay, Jr, G. W. Johnson, J. R. McGiffert and J. W. Vogt, Jr) Edgar Ulsamer. illus AF Mag 55:60-68+ Sep '72

'Blow in fust.' Fraser Scott. illus RUSI J for Def Studies 117:44-47 Sep '72

Cold smoke (for marking practice bombs). Maj Hugh Dibble. illus USAF TAWC Qtr Rpt 3:20-23 Jan '72

Eglin's ADTC (Armament Development and Test Center)--business end of the Air Force. Interview. MajGen Jewell C. Maxwell. illus AF Mag 55:24-29 Aug '72

The "flyable" smart bomb--adding another dimension to airpower. (Interviews with Cols E. M. Munyon and B. K. Partin) Edgar Ulsamer. illus AF Mag 55:30-35 Aug '72

The smart bomb. (Paveway I, laser-guided bomb system) Maj Don Wylie. illus Airman 16:22 Oct '72

Some notes on the second generation: The FMU-81 fuze. Maj Ward R. Martin. illus USAF TAWC Rev 3:4-8 Nov '72

BONUSES

ALMAR 16. MarCor Gaz 56:10 May '72

Big bonuses asked to retain doctors. Bob Horowitz. AF Times 32:1+ Mar 22 '72

Big bonuses coming soon. Bob Horowitz. AF Times 32:1+ Mar 29 '72

Bonus package moves. (Congressional hearings begin) Bob Horowitz. AF Times 33:1+ Oct 4 '72

Bonus package nears House OK--'six pack' of benefits. Bob Horowitz. AF Times 33:3 Oct 18 '72

Bonus plans die as Hill adjourns. Bob Horowitz. AF Times 33:1+ Nov 1 '72

Bonus plans for everyone. Bruce Callander. AF Times 33:1+ Sep 20 '72

Bonus policy--incentive to needs: Supply-and-demand concept. Bruce Callander. AF Times 33:13 Aug 16 '72

Bonus proposals win House unit approval. AF Times 33:1+ Oct 11 '72

Bonus skill changes delayed. AF Times 33:5 Aug 16 '72



BONUSES - Continued

Bonuses ignored, cuts threatened. AF Times 32:4 Jul 26 '72

Bright side of skill cuts: Most to collect full VRB bonus. AF Times 33:19 Sep 6 '72

Career men lose in incentive shift. Bruce Callander. AF Times 33:1+ Sep 6 '72

Combat bonus to stay. AF Times 33:19 Nov 22 '72

Congress gets bonus package. Bob Horowitz. AF Times 32:1+ Apr 5 '72

Congress holds up bonus bill. Bob Horowitz. AF Times 32:1+ Jun 7 '72

DOD directive limits Reserve Forces bonus--plan not yet approved. AF Times 32:6 Jun 21 '72

DOD sees draft as "last resort" to maintain Guard, Reserve. Natl Guardsman 26:12-13 Feb '72

Dentist bonus slated for Sep 1. AF Times 33:3 Aug 16 '72

Details sent to field on six-year re-ups. AF Times 33:10 Oct 25 '72

Drawing the line on lures. Bruce Callander. AF Times 32:13 Jul 26 '72

Dynamic legislative program of ROA needed for Reserves and Defense. BrigGen Robert D. Upp. illus Officer 48:3+ Sep '72

Early legislation planned on military special pays. Armed Forces J 109:10-11 Mar '72

584 dentists get bonus. AF Times 33:46 Sep 13 '72

Four, 6-year re-up choice starts Oct 1. AF Times 33:3 Aug 30 '72

'Late' VRB denied to airman; sailor wins his case. AF Times 33:10 Dec 13 '72

Leaving early can cost cash--bonus recoupment possible. AF Times 33:10 Nov 1 '72

Lump sum VRB cash limited. AF Times 33:5 Aug 16 '72

Many skills due to lose bonus. AF Times 33:6 Aug 9 '72

More offered 6-year re-up. AF Times 33:3 Sep 20 '72

The need for incentives is now. Col John T. Carlton. Officer 48:8 Nov '72

New plan blow to early bonus--based on obligation. AF Times 33:3 Nov 22 '72

'PETS' re-ups return in July. AF Times 32:67 Jun 7 '72

Personnel chief champions additional benefits for EM. AF Times 32:3 Mar 15 '72

Pro pay and VRB juggled for 1973--support skills added. Bruce Callander. AF Times 32:1+ Apr 5 '72

SRB (Selective Re-enlistment Bonus) proposal still pushed--despite Hill foes. AF Times 32:3 Mar 8 '72

Selective re-up bonus fruit of 20-year trend. Bruce Callander. AF Times 32:13 Apr 12 '72

6-year re-up nets \$10,000. Bruce Callander. AF Times 32:1+ Jul 12 '72

6-year re-up set, means top bonus. Bruce Callander. AF Times 32:1+ May 31 '72

Some skills to lose VRB. Bruce Callander. AF Times 32:1+ Jul 19 '72

BONUSES - Continued

Special pay boosts urged--flight pay, re-up bonuses. Randall Shoemaker. AF Times 32:1+ Feb 9 '72

Special pay lists expected soon. AF Times 32:3 Mar 22 '72

Top bonuses go to needed slots--no 'spreading the wealth around.' Bruce Callander. AF Times 33:13 Sep 20 '72

25,000 set to retrain. Bob Towle. AF Times 33:1+ Oct 4 '72

Unlike Army, special pays to stay same. AF Times 32:15 Feb 2 '72

VRB adds 23 AFSCs. Bruce Callander. AF Times 33:1+ Aug 23 '72

VRB skill-level rule ends--list covers ladders. AF Times 33:51 Aug 30 '72

VRB skill outlook brightens--bonus keyed to all-vol. AF Times 33:6 Nov 22 '72

BOOBY TRAPS

AEMAA (Aerially Employed Mechanical Antiarmor Ambush). Capt M. L. Caughey. Infantry 62:56 Jul-Aug '72

Automatic ambush: A second look. Capt Sewall H. Menzel. illus Armor 81:9-11 Sep-Oct '72

A bargain basement alternative to the McNamara Line: Automatic ambush. LtCol Grail L. Brookshire, illus Infantry 62:9-11 Jul-Aug '72

Mechanical ambush. Maj A. D. Gezelman, illus Infantry 62:50-51 Jul-Aug '72

BOOK REVIEWS

Adenauer: A Study in Fortitude, by T. Prittie. RUSI J for Def Studies 117:77 Jun '72

Africa: Hope Deferred, by J. Biggs-Davison. RUSI J for Def Studies 117:86 Jun '72

The Air Marshals, by A. Andrews. AU Rev 23:84-87 Mar-Apr '72

The Air War in Indochina, revised edition, edited by R. Littauer and N. Uphoff. AF Mag 55:176 Sep '72

Airborne to Battle: 1918-1971, by M. Tugwell. RUSI J for Def Studies 117:90 Mar '72

Alexander of Tunis as Military Commander, by W. G. F. Jackson. Army 22:51 Dec '72

Alternative to Armageddon: The Peace Potential of Lightning War, by W. W. Yale and others. MarCor Gaz 56:12 Nov '72

The Amerasia Papers: Some Problems in the History of U. S. -China Relations, by J. S. Service. MarCor Gaz 56:12 Jan '72

America and Russia in a Changing World: A Half-Century of Personal Observations, by W. A. Harriman. Royal United Svcs Inst for Def Studies J 116:82 Dec '71

America Faces Defeat, by L. W. Walt. Govt Exec 4: 85 Apr '72; MarCor Gaz 56:14 Nov '72

America in Retreat, by S. Barber. Nav War Col Rev 24:79-80 Apr '72

America the Dutiful: An Assessment of U. S. Foreign Policy since World War II, by P. W. Quigg. US Nav Inst Proc 98:107 Feb '72

## BOOK REVIEWS - Continued

- The American Enlisted Man: The Rank and File in Today's Military, by C. C. Moskos, Jr. AF Mag 55:22 Jan '72
- Americans and Chinese, 1927-1945: A Persuading Encounter, by K. E. Shewmaker. Parameters 1:71 Winter '72
- The Amphibians Came To Conquer, by G. C. Dyer. US Nav Inst Proc 98:99-101 Aug '72; Ordnance 57:248 Nov-Dec '72
- Arms, Men and Governments: The War Policies of Canada, 1939-1945, by C. P. Stacey. RUSI J for Def Studies 117:84-85 Mar '72
- The Arms Trade with the Third World, by Stockholm International Peace Research Institute. RUSI J for Def Studies 117:78-79 Mar '72; Intl Def Rev 5:200-202 Apr '72; Mil Rev 52:106-107 Sep '72
- Arms, Yen & Power: The Japanese Dilemma, by J. K. Emmerson. Mil Rev 52:105 Jun '72
- The Arnheiter Affair, by N. Sheehan. MarCor Gaz 56:13-14 Mar '72; AF Times 32:32 Mar 22 '72; Ordnance 57:251 Nov-Dec '72
- The Balance of Power, by H. Schmidt. Army Qtr 102:118-119 Oct '71
- Ballistic Missile Defense, by B. D. Adams. AF Mag 55:22-23 Feb '72; Ordnance 56:516 May-Jun '72
- Battle Dress--a Gallery of Military Style and Ornament, by F. Wilkinson. Ordnance 56:416+ Mar-Apr '72
- The Battle for Moscow, 1941-1942, by A. Seaton. Army Qtr 102:254-255 Jan '72
- Battle of Britain, by B. Robertson. Royal Air Forces Qtr 12:67-68 Spring '72
- The Battle of Leyte Gulf, by E. P. Hoyt. Sea Power 15:35 Dec '72
- The battle of the books: Pershing versus March (versus Harbord). Army 22:30-32 Sep '72
- The Big Brothers--the Story of the B-29's, by W. B. Sinclair. Ordnance 57:81-82 Jul-Aug '72
- The Big Two: Soviet-American Perceptions of Foreign Policy, by A. Rapoport. AU Rev 23:88-94 Mar-Apr '72
- Bitter Victory: A History of Black Soldiers in World War I, by F. Henri. Aerosp Hist 18:215 Dec '71
- Black Company: The Story of Subchaser 1264, by E. Purdon. Mil Rev 52:106 Jun '72; Sea Power 15:38 Sep '72
- The Black Military Experience in the American West, edited by J. Carroll. AF Times 32:30 Jan 26 '72; Armor 81:67-68 Mar-Apr '72; Mil Rev 52:110 Jun '72
- The Blond Knight of Germany, by R. F. Toliver and T. J. Constable. Aerosp Hist 19:107 Jun '72
- The Blue Berets: The Story of the United Nations Peacekeeping Forces, by M. Harbottle. RUSI J for Def Studies 117:91-92 Mar '72; Army Qtr 102:380 Apr '72
- The Brass Ring, by B. Mauldin. AF Times 32:32 Feb 16 '72
- The Chilean Revolution: Conversations with Allende, by R. Debray. MarCor Gaz 56:13-14 Aug '72

## BOOK REVIEWS - Continued

- China & Russia, the "Great Game," by O. E. Clubb. MarCor Gaz 56:14 Apr '72; AF Times 33:35 Oct 18 '72
- China Returns, by K. Mehnert. AF Mag 55:73 Jun '72
- Codeword: "Direktor", by H. Höhne. US Nav Inst Proc 98:99-100 Sep '72
- Cold War and Counterrevolution: The Foreign Policy of John F. Kennedy, by R. J. Walton. AF Mag 55:17 Mar '72; AU Rev 23:78-81 Sep-Oct '72
- The Collapse of British Power, by C. Barnett. Army 22:51 Sep '72
- Coming Apart: An Informal History of America in the 1960's, by W. S. O'Neill. AF Times 32:29 May 24 '72
- The Containment of Latin America, by D. Green. MarCor Gaz 56:12-14 Nov '72
- The Continental Commitment: The Dilemma of British Defence Policy in the Era of the Two World Wars, by M. Howard. RUSI J for Def Studies 117:77 Sep '72
- The Court-Martial of Lt Calley, by R. Hammer. Armor 81:79 Jan-Feb '72
- Cover-Up, by S. Hersh. AF Times 32:34 Jul 26 '72
- Days of Anguish, Days of Hope, by B. Keith. AF Mag 55:118 Dec '72
- The Death of the Army: A Pre-Mortem, by E. L. King. Mil Rev 52:104-105 Sep '72; Armor 81:61-62 Sep-Oct '72
- Deceitful Peace: A New Look at the Soviet Threat, by G. Niemeyer. Mil Rev 52:107 Jan '72
- Decisions of Robert S. McNamara: A Study of the Role of the Secretary of Defense, by J. M. Roherty. US Nav Inst Proc 98:96-97 Jan '72
- DeGaulle, by P. Masson. Aerosp Hist 19:164 Sep '72
- Denis Healey and the Policies of Power, by B. Reed and G. Williams. RUSI J for Def Studies 117:81-82 Mar '72
- Department of Defense Dictionary of Military and Associated Terms. Mil Rev 52:8-13 Dec '72
- Devil's Guard, by G. R. Elford. MarCor Gaz 56:13 Feb '72
- Dissent in Three American Wars, by S. E. Morison and others. MarCor Gaz 56:13-14 Feb '72
- Dividends from Space, by F. I. Ordway III and others. AF Mag 55:150 May '72
- Divine Thunder, the Life and Death of the Kamikazes, by B. Millot. Parameters 1:74 Winter '72
- The Double-Cross System in the War of 1939 to 1945, by J. C. Masterman. Army 22:58-59 May '72; US Nav Inst Proc 98:101-102 Sep '72
- The Dream of Flight; Aeronautics from Classical Times to the Renaissance, by C. Hart. Royal Air Forces Qtr 12:221-222 Autumn '72
- Duel of Eagles, by P. Townsend. Aerosp Hist 19:160 Sep '72
- Eagles East, by R. C. Lukas. Aerosp Hist 19:49-50 Mar '72



## BOOK REVIEWS - Continued

- The Economics of Defense: A Bipartisan Review of Military Spending, by Members of Congress for Peace Through Law Military Spending Committee. Ordnance 56:411+ Mar-Apr '72
- The Eisenhower Administration, 1953-1961: A Documentary History, by R. L. Branyan and L. H. Larsen. Mil Rev 52:108 May '72
- Europe at Risk, by A. Watson. RUSI J for Def Studies 117:88 Jun '72
- Europe or the Open Sea: The Political and Strategic Implications of Britain in the Common Market, by G. L. Williams and others. Royal United Svcs Inst for Def Studies J 116:81-82 Dec '71
- The Face of the Third Reich: Portraits of the Nazi Leadership, by J. C. Fest. Trans by M. Bullock. AU Rev 23:79-83 May-Jun '72
- The Fall of Eben Emael: Prelude to Dunkerque, by J. E. Mrazek. Aerosp Hist 19:105-106 Jun '72
- Federal Funding and National Priorities, an Analysis of Programs, Expenditures, and Research and Development, by L. Lederman and M. Windus. Parameters 1:73-74 Winter '72
- Fighter Tactics and Strategy, 1914-1970, by E. Sims. AF Mag 55:78 Apr '72; Royal Air Forces Qtr 12:70 Spring '72
- Five Years to Freedom: A Young American's Own Story of Defiance, Survival and Courageous Escape from the Viet Cong after More Than Five Years as a Prisoner of War, by J. N. Rowe. Mil Rev 52:107 Jan '72; Army 22:59 Feb '72; Armor 81:63 May-Jun '72
- Flight to the Stars, by J. Strong. Space World I-2-98: 41 Feb '72
- Flying Army--the Modern Air Arm of the U. S. Army, by W. E. Butterworth. Armor 81:66-67 Mar-Apr '72; Aerosp Hist 19:48-49 Mar '72
- From the Jaws of Victory, by C. Fair. Nav War Col Rev 24:92-94 Feb '72
- The Future of the U. S. Government: Toward the Year 2000, edited by H. S. Perloff. AF Times 32:31 May 31 '72
- G2: Intelligence for Patton, by O. W. Koch. Armor 81:66 Mar-Apr '72; Ordnance 56:512+ May-Jun '72; Mil Engr 64:379 Sep-Oct '72
- The Game of the Foxes, by L. Farago. AF Times 32:29 Feb 9 '72; AF Mag 55:16-17 Mar '72; US Nav Inst Proc 98:100-101 Sep '72
- Gaullism: The Rise and Fall of a Political Movement, by A. Hartley. Mil Rev 52:110 Jan '72; MarCor Gaz 56:11-12 Apr '72
- Gehlen, Germany's Master Spy, by C. Whiting. Sea Power 15:39 May '72
- Gehlen, Spy of the Century, by E. H. Cookridge. Sea Power 15:39 May '72; Mil Rev 52:106-107 Aug '72
- The General Was a Spy, by H. Höhne and H. Zolling. AF Mag 55:79-80 Jul '72; Mil Rev 52:106-107 Aug '72; Army 21:51 Aug '72
- Germany and the Management of Détente, by P. Windsor. Royal United Svcs Inst for Def Studies J 116: 82 Dec '71

## BOOK REVIEWS - Continued

- Germany Rearmed, by W. H. Nelson. AF Times 32:36 May 10 '72
- Glenn Curtiss: Pioneer of Flight, by C. R. Roseberry. AF Mag 55:181+ Sep '72
- Goals and Means in the Conquest of Space, by R. G. Perel'man. Aerosp Hist 18:216-217 Dec '71
- Governing Without Consensus, by R. Rose. Army Qtr 102:247-248 Jan '72
- The Greening of America, by C. Reich. Royal United Svcs Inst for Def Studies J 116:78-79 Dec '71
- Guerrillas in Power: The Course of the Cuban Revolution, by K. S. Karol. Royal United Svcs Inst for Def Studies J 116:96-97 Dec '71
- The Heirs of Stalin: Dissidence and the Soviet Regime, 1953-1970, by A. Rothberg. AU Rev 24:77-82 Nov-Dec '72
- History of the Second World War, by B. H. Liddell Hart. Soviet Mil Rev No. 2:49-50+ Feb '72; AU Rev 23:73-76 Mar-Apr '72; Aerosp Hist 19: 105 Jun '72
- Hitler and the Middle Sea, by W. Ansel. Sea Power 15:40 Oct '72
- Hitler as Military Commander, by J. Strawson. Army Qtr 102:121-122 Oct '71
- Hitler: The Man and the Military Leader, by P. E. Schramm. RUSI J for Def Studies 117:77-78 Jun '72
- Hitler's Battles for Europe, by J. Strawson. AF Mag 55:23 Feb '72
- How Much Is Enough? Shaping the Defense Program, 1961-1969, by A. C. Enthoven and K. W. Smith. US Nav Inst Proc 98:97 Jan '72; MarCor Gaz 56: 14-15 Jul '72
- A Hundred Years of International Relations, by F. S. Northedge and M. J. Grieve. Royal United Svcs Inst for Def Studies J 116:81 Dec '71
- Ideas, Concepts, Doctrine: A History of Basic Thinking in the United States Air Force, 1907-1964, vols 1-2, by R. F. Futrell. Aerosp Hist 19:158-159 Sep '72
- In the Midst of Wars: An American's Mission to Southeast Asia, by E. G. Lansdale. AF Mag 55:150 May '72; Mil Engr 64:225 May-Jun '72; MarCor Gaz 56:16 Sep '72
- The Indian Army, by S. P. Cohen. Army Qtr 102:119-121 Oct '71
- Indonesia: The Possible Dream, by H. P. Jones. Armor 81:79 Jul-Aug '72
- Inside the Third Reich, by A. Speer. US Nav Inst Proc 98:112-113 Mar '72; Parameters 2:72 Spring-Summer '72
- The International Trade in Arms, by J. Stanley and M. Pearton. Sea Power 15:39 Sep '72
- Irrational Ravings, by P. Hamill. AF Times 32:31 Apr 5 '72
- Italy since 1945, by E. Wiskemann. RUSI J for Def Studies 117:86 Mar '72
- Judgement on Nuremburg, American Attitudes Toward the Major German War-Crimes Trials, by W. J. Bosch. Aerosp Hist 19:104 Jun '72



## BOOK REVIEWS - Continued

- The Kennedy Doctrine, by L. FitzSimons. *Mil Rev* 52:108 Oct '72
- Khrushchev & Kennedy in Retrospect, by J. E. McSherry. *AU Rev* 23:88-94 Mar-Apr '72
- Kissinger: The Uses of Power, by D. Landau. *AF Mag* 55:117 Dec '72
- Lady in the Navy: A Personal Reminiscence, by J. B. Hancock. *Sea Power* 15:41 Nov '72
- Last Reflections on a War, by B. B. Fall. *MarCor Gaz* 56:14 Oct '72
- Latin America Today and Tomorrow, by G. Plaza Lasso. *Parameters* 1:72 Winter '72
- Leaflet Operations in the Second World War, by J. M. Erdmann. *Royal Air Forces Qtr* 12:144+ Summer '72
- Lieutenant Calley: His Own Story, by J. Sack. *Mil Rev* 52:106 Mar '72
- The Lightning Campaign (Indo-Pakistan War 1971), by D. K. Palit. *RUSI J for Def Studies* 117:84 Jun '72
- Living with the Communists, by H. Trevelyan. *AF Mag* 55:79-80 Apr '72
- The London Journal of General Raymond E. Lee: 1940-1941, edited by J. Leutze. *Army* 22:54-55 Nov '72
- The Long Retreat, by C. J. Bartlett. *RUSI J for Def Studies* 117:85-86 Mar '72
- Low Intensity Operations: Subversion, Insurgency and Peacekeeping, by F. Kitson. *Army Qtr* 102:246-247 Jan '72; *MarCor Gaz* 56:13 Apr '72; *Army* 22:57-58 May '72
- The Luftwaffe at War 1939-45, by A. Galland and others. *Royal Air Forces Qtr* 12:221 Autumn '72
- MacArthur, edited by L. S. Wittner. *AF Mag* 55:23 Jan '72; *Mil Engr* 64:73 Jan-Feb '72
- McNamara: His Ordeal in the Pentagon, by H. L. Trehitt. *Mil Rev* 52:109 Jan '72; *US Nav Inst Proc* 98:95-96 Jan '72
- The Magic War: The Battle for North Burma, by I. Fellowes-Gordon. *AF Mag* 55:65 Aug '72
- The Making of a Hero: The Story of Lieutenant William Calley, Jr, by W. Greenhaw. *Armor* 81:80 Jan-Feb '72
- Man on the Moon, edited by E. Rabinowitch and R. S. Lewis. *Spaceflight* 14:76 Feb '72
- Marijuana: The Second Trip, by E. R. Bloomquist. *Mil Rev* 52:107 Apr '72
- Memoirs of Hope: Renewal and Endeavor, by C. de Gaulle. Trans by Terence Kilmartin. *AF Mag* 55:78-79 Apr '72; *Mil Rev* 52:110 Apr '72
- The Memoirs of Marshal Zhukov, by G. K. Zhukov. *Army Qtr* 102:122-123 Oct '71
- The Military and American Society, edited by S. E. Ambrose and J. A. Barber, Jr. *MarCor Gaz* 56:12-13 Aug '72; *AF Mag* 55:16 Oct '72; *Army* 22:51-52 Dec '72
- The Military Balance, 1971-1972, by London's International Institute for Strategic Studies. *Mil Rev* 52:111 Jan '72

## BOOK REVIEWS - Continued

- The Military Establishment: Its Impacts on American Society, by A. Yarmolinsky. *AU Rev* 23:76-78 Mar-Apr '72; *US Nav Inst Proc* 98:110 Apr '72; *MarCor Gaz* 56:13-14 Jun '72
- Military in Politics: Changing Patterns in Brazil, by A. Stepan. *Mil Rev* 52:111 Jan '72
- The Military Intervenes: Case Studies in Political Development, edited by H. Bienen. *Aerosp Hist* 19:104 Jun '72
- Military Men, by W. Just. *RUSI J for Def Studies* 117:83 Jun '72
- The Mind of Adolf Hitler: The Secret Wartime Report, by W. C. Langer. *Mil Rev* 52:102-104 Dec '72
- The Modern Military in American Society: A Study in the Nature of Military Power, by C. W. Ackley. *AF Mag* 55:16 Oct '72
- Montgomery as Military Commander, by R. Lewin. *Army Qtr* 102:252-253 Jan '72; *Mil Rev* 52:107 Apr '72
- Napoleon, by A. Castelot. Trans by G. Daniels. *AU Rev* 23:79-83 May-Jun '72
- A Nation of Strangers, by V. Packard. *AF Times* 33:33 Dec 13 '72
- The Naval Academy Illustrated History of the United States Navy, by E. B. Potter. *Nav War Col Rev* 24:90-92 Jan '72
- The Naval Aristocracy: The Golden Age of Annapolis and the Emergence of Modern Navalism, by P. Karsten. *Nav War Col Rev* 25:94-95 Sep-Oct '72; *US Nav Inst Proc* 98:97-98 Dec '72
- Naval Force Levels and Modernization: An Analysis of Shipbuilding Requirements, by A. M. Kuzmack. *Intl Def Rev* 4:608 Dec '71; *Nav War Col Rev* 24:89-90 Jan '72
- The Naval War Against Hitler, by D. Macintyre. *MarCor Gaz* 56:15-16 Jul '72
- The New Exiles: American War Resisters in Canada, by R. N. Williams. *Mil Rev* 52:105 May '72
- A New Photographic Atlas of the Moon, by Z. Kopal. *Space World* 1-2-98:40 Feb '72
- The New Tsars: Russia Under Stalin's Heirs, by J. Dornberg. *AF Mag* 55:64 Aug '72; *Ordnance* 57:80 Jul-Aug '72
- A New U. S. Policy Toward China, by A. D. Barnett. *Mil Rev* 52:109 Mar '72; *MarCor Gaz* 56:14-15 Feb '72; *Armor* 81:62 May-Jun '72
- The Nigerian Army 1956-1966, by N. J. Miners. *Army Qtr* 102:119-121 Oct '71
- The Nigerian Military, a Sociological Analysis of Authority and Revolt, 1960-1967, by R. Luckham. *RUSI J for Def Studies* 117:93-94 Mar '72
- Nineteen Stars, by E. F. Puryear, Jr. *MarCor Gaz* 56:13 Jan '72
- Nixon in the White House: The Frustration of Power, by R. Evans, Jr and R. D. Novak. *AF Times* 32:31 May 17 '72
- No Clear and Present Danger: A Skeptical View of the United States Entry into World War II, by B. M. Russett. *Mil Rev* 52:104-105 Dec '72
- North Vietnam's Strategy for Survival, by J. M. Van Dyke. *Army* 22:51 Jul '72

## BOOK REVIEWS - Continued

- Nuclear Diplomacy: The First Twenty-Five Years, by G.H. Quester. AU Rev 23:88-94 Mar-Apr '72
- Nuclear Politics: The British Experience with an Independent Strategic Force 1939-1970, by A.J. Pierre. AF Mag 55:79 Jul '72; RUSI J for Def Studies 117:77-78 Sep '72
- OSS: The Secret History of America's First Central Intelligence Agency, by R.H. Smith. Mil Rev 52: 107-108 Oct '72; MarCor Gaz 56:12 Dec '72
- On Silent Wings, by D. Dwiggin. Aerosp Hist 19:104-105 Jun '72
- Organizing Space Activities for World Needs, edited by E.A. Steinhoff. Spaceflight 14:38 Jan '72
- The Papers & the Papers, by S.J. Ungar. AF Times 33:29 Oct 4 '72
- Papers on the War, by D. Ellsberg. AF Times 33:29 Oct 4 '72
- Patriotism in America, by J.J. Pullen. Govt Exec 4:68 Feb '72
- The Patton Papers, 1:1885-1940, by M. Blumenson. Armor 81:64-65 Mar-Apr '72; AF Times 32:31 Apr 26 '72; Nav War Col Rev 24:95-98 May '72; Mil Rev 52:102-104 May '72; Army 22:56-57 May '72; AF Mag 55:78-79 Jul '72; Ordnance 57: 81 Jul-Aug '72
- Pawns: The Plight of the Citizen-Soldier, by P. Barnes. Mil Rev 52:107 Sep '72
- Peace for Our Time, by R. Parkinson. AF Times 33:34 Nov 22 '72
- Pearl Harbor and Hawaii: A Military History, by the Editors of the Army Times. Mil Engr 64:149 Mar-Apr '72; Ordnance 56:411 Mar-Apr '72; AF Times 32:31 May 17 '72
- Peasant Wars of the Twentieth Century, by E.R. Wolf. Royal United Svs Inst for Def Studies J 116:96 Dec '71
- The Pentagon Papers: As Published by the New York Times. MarCor Gaz 56:13 Mar '72; AF Times 33:29 Oct 4 '72
- The Pentagon Papers: The Defense Department History of United States Decisionmaking on Vietnam, edited by M. Gravel. Nav War Col Rev 24:95-97 Jun '72
- Politics and the Stages of Economic Growth, by W.W. Rostow. MarCor Gaz 56:11 Jan '72
- The Politics of Defence, by D. Owen. RUSI J for Def Studies 117:78-79 Sep '72; Sea Power 15:40 Oct '72
- Power Through Subversion, by L.W. Beilenson. Sea Power 15:39 Mar '72; Ordnance 57:81 Jul-Aug '72
- President Nixon and the Press, by J. Keogh. Armor 81:58 Nov-Dec '72
- The Problem of Chemical and Biological Warfare, vols 1, 4-5, by Stockholm International Peace Research Institute. Intl Def Rev 5:202 Apr '72; Mil Rev 52:107 Jun '72
- Problems of Modern Strategy, edited by A. Buchan. Nav War Col Rev 24:81-83 Apr '72; Ordnance 56: 511 May-Jun '72
- Project Paperclip: German Scientists and the Cold War, by C.G. Lasby. AF Mag 55:16 Mar '72; Parameters 2:73-74 Spring-Summer '72

## BOOK REVIEWS - Continued

- Public Service--the Human Side of Government, by J.W. Macy, Jr. AF Mag 55:64-65 Aug '72
- Rebellion and Authority: An Analytic Essay on Insurgent Conflicts, by N. Leites and C. Wolf, Jr. Parameters 1:75-76 Winter '72
- Red China Today, by E. Snow. MarCor Gaz 56:17 May '72
- The Red Devils: The Story of the British Airborne Forces, by G.G. Norton. Mil Rev 52:106 Mar '72
- The Regiments Depart: A History of the British Army 1945-1970, by G. Blaxland. Army Qtr 102:117-118 Oct '71
- Remaking China Policy: U.S.-China Relations and Governmental Decision-Making, by R. Moorsteen and M. Abramowitz. Mil Rev 52:109 Mar '72
- The Responsibles, by W.S. White. AF Times 32:31 Apr 26 '72
- Revolutionary Change in Cuba, edited by C. Mesa-Lago. Mil Rev 52:107 May '72
- Riding the Storm: 1956-1959, by H. Macmillan. Mil Engr 64:149 Mar-Apr '72
- Rise to Globalism, by S.E. Ambrose. Aerosp Hist 19:48 Mar '72
- The Rising Sun: The Decline and Fall of the Japanese Empire, 1936-1945, by J. Toland. Sea Power 15:26 Jan '72
- The Role of the Military Professional in U.S. Foreign Policy, by D.F. Bletz. Parameters 1:76 Winter '72; Mil Engr 64:225 May-Jun '72; Armor 81:80 Jul-Aug '72; Mil Rev 52:105-106 Oct '72
- Roots of War, by R.J. Barnett. AF Mag 55:25 Nov '72
- Russia Looks to the Sea: A Study of the Expansion of Soviet Maritime Power, by D. Fairhall. Royal United Svs Inst for Def Studies J 116:88 Dec '71
- Russian Sea Power, by D. Fairhall. US Nav Inst Proc 98:111-112 Mar '72; MarCor Gaz 56:14 Apr '72
- The Russian Secret Policy: Muscovite, Imperial Russian and Soviet Political Security Operations, by R. Hingley. Mil Rev 52:110-111 Jul '72
- The Russian Space Bluff, by L. Vladimirov. Spaceflight 14:202-205 Jun '72
- Russians in Space, edited by E. Riabchikov. Spaceflight 14:320 Aug '72
- The Science of War and Peace, by R. Clarke. Royal United Svs Inst for Def Studies J 116:95 Dec '71; Army Qtr 102:248-249 Jan '72; US Nav Inst Proc 98:99-100 Nov '72
- Science, Technology, and Warfare, edited by M.D. Wright and L.J. Paszek. Aerosp Hist 18:218 Dec '71; AU Rev 23:84-86 May-Jun '72
- Second in Command, by E.R. Murphy, Jr. MarCor Gaz 56:15 Feb '72
- The Secret Army: The IRA, 1916-1970, by J.B. Bell. Mil Rev 52:105 Mar '72
- Secret Sentries in Space, by P.J. Klass. Ordnance 56:331 Jan-Feb '72; Interavia 27:169 Feb '72; Spaceflight 14:318-319 Aug '72
- The Secret Weapons Which Can Prevent a Soviet Victory, by W.S. McBirnie. Ordnance 56:332 Jan-Feb '72



## BOOK REVIEWS - Continued

- The Service: The Memoirs of General Reinhard Gehlen. Trans by D. Irving. Mil Engr 64:379 Sep-Oct '72; MarCor Gaz 56:16 Sep '72; Mil Rev 52:105-106 Dec '72
- Since Stalin: An Assessment of Communist Power, by B. Crozier. AU Rev 23:69-73 Jan-Feb '72
- Singapore: The Chain of Disaster, by S. W. Kirby. Ordnance 56:413 Mar-Apr '72; MarCor Gaz 56:12 Apr '72
- Six Presidents, too Many Wars, by B. Lawrence. AF Times 32:34 Jul 12 '72
- The Soldier in Modern Society, by G. C. M. Baynes. RUSI J for Def Studies 117:79-80 Mar '72
- Soldier, Patriot, Financier: A Biographical Sketch of Major General George Olmsted, by H. L. Dutkin. Ordnance 56:518 May-Jun '72
- Soldiers Without Enemies, by L. L. Fabian. Nav War Col Rev 24:88-89 Jan '72; AU Rev 23:88-90 Jan-Feb '72
- South to Bataan, North to Mukden: The Prison Diary of BrigGen W. E. Brougher, by D. C. James. Armor 81:80-81 Jan-Feb '72; Ordnance 57:250 Nov-Dec '72
- The Soviet Far East, by E. S. Kirby. RUSI J for Def Studies 117:87 Mar '72
- Soviet Military Power, by J. Erickson. AF Mag 55:176+ Sep '72; US Nav Inst Proc 98:102-103 Oct '72
- The Soviet Sea Challenge, by E. M. Eller. Sea Power 15:39 Jun '72; US Nav Inst Proc 98:101-102 Aug '72; Ordnance 57:163 Sep-Oct '72
- Soviet Seapower in the Caribbean: Political and Strategic Implications, edited by J. D. Theberge. Mil Rev 52:107 Dec '72
- Space Shuttles and Interplanetary Missions, edited by L. Larmore and R. L. Gervais. Spaceflight 14:76 Feb '72
- Space Technology and Earth Problems, edited by C. Q. Ford. Spaceflight 14:77-78 Feb '72
- The Special Air Service, by P. Warner. RUSI J for Def Studies 117:90-91 Mar '72
- Stalin--the History of a Dictator, by H. M. Hyde. AF Times 32:29 Feb 23 '72; Mil Rev 52:110 Sep '72; AU Rev 24:83-86 Nov-Dec '72
- Stilwell and the American Experience in China, by B. Tuchman. AU Rev 23:74-80 Jan-Feb '72; US Nav Inst Proc 98:108-110 Apr '72
- Strategic Power and National Security, by J. I. Coffey. AF Mag 55:22-23 Jan '72
- The Strategy of Technology: Winning the Decisive War, by S. T. Possony and J. E. Pournelle. AU Rev 23:81-86 Jul-Aug '72
- Suiting Up for Space: The Evolution of the Space Suit, by L. Mallan. Aerosp Hist 19:50 Mar '72
- Superstate: Readings in the Military-Industrial Complex, edited by H. I. Schiller and J. D. Phillips. Mil Rev 52:107 Mar '72
- The Supreme Commander: The War Years of General Dwight D. Eisenhower, by S. E. Ambrose. Royal United Svcs Inst for Def Studies J 116:84 Dec '71; Army Qtr 102:243-245 Jan '72

## BOOK REVIEWS - Continued

- Swords and Plowshares: A Memoir, by M. D. Taylor. Ordnance 56:511-512 May-Jun '72; Mil Engr 64:225 May-Jun '72; Army 22:57-58 Jun '72; AF Mag 55:59-63 Jun '72; Mil Rev 52:103-105 Jun '72; Armor 81:76-78 Jul-Aug '72; Nav War Col Rev 25:95-96 Sep-Oct '72; Infantry 62:60 Sep-Oct '72; MarCor Gaz 56:14-15 Oct '72
- T-34 Russian Armor, by D. Orgill. Ordnance 56:332-333 Jan-Feb '72
- Terror and the Urban Guerrillas: A Study of Basic Documents, by J. Mallin. MarCor Gaz 56:12-13 Jun '72
- Tet: The Story of a Battle and Its Historic Aftermath, by D. Oberdorfer. Mil Rev 52:105 May '72
- The Time Bomb: A Veteran Journalist Assesses Today's China from the Inside, by N. Barrymaine. Armor 81:62 May-Jun '72
- To the Yalu: From the Chinese Invasion of Korea to MacArthur's Dismissal, by J. McGovern. AF Mag 55:16-17 Oct '72
- Tonkin Gulf, by E. G. Windchy. US Nav Inst Proc 98:107-108 Apr '72
- Typhoon of Steel, the Battle for Okinawa, by J. H. and W. M. Belote. Aerosp Hist 19:48 Mar '72
- Ulster, by The Sunday Times Insight Team. RUSI J for Def Studies 117:83-84 Jun '72
- The Undeclared War, by H. James and D. Sheil-Small. Army Qtr 102:251 Jan '72
- Understanding the Russians: A Citizen's Primer, by F. D. Kohler. AU Rev 23:69-73 Jan-Feb '72
- United Nations Peace-Keeping Operations: A Military and Political Appraisal, by J. M. Boyd. Mil Rev 52:109 Jan '72; Mil Rev 52:109 Jan -Feb '72
- U. S. China Policy and the Problem of Taiwan, by W. M. Bueler. Mil Rev 52:109 Mar '72
- United States Military Medals and Ribbons, by P. K. Robles. AF Times 33:33 Sep 20 '72
- U. S. Troops in Europe: Issues, Costs, and Choices, by J. Newhouse. Mil Rev 52:108 Mar '72; AF Mag 55:18 Mar '72; Army 22:59 Mar '72; RUSI J for Def Studies 117:87-88 Jun '72
- Vanguard--a History, by C. M. Green and M. Lomask. Spaceflight 14:77 Feb '72; Aerosp Hist 19:49 Mar '72
- The Vantage Point: Perspectives of the Presidency, 1963-1969, by L. B. Johnson. Army 22:58-59 Feb '72; AF Times 32:31 Apr 12 '72
- Victors' Justice: The Tokyo War Crimes Trial, by R. H. Minear. AF Mag 55:79 Apr '72
- Viet Cong Repression and Its Implications for the Future, by S. T. Hosmer. Armor 81:63-64 May-Jun '72
- The Village, by F. J. West, Jr. MarCor Gaz 56:15 Mar '72; Army 22:58 Mar '72; AF Mag 55:79 Apr '72; MarCor Gaz 56:10 Jun '72; Armor 81:80 Jul-Aug '72
- Walkout: With Stilwell in Burma, by F. Dorn. MarCor Gaz 56:14 Feb '72; Mil Rev 52:104 May '72
- War Comes to Long An: Revolutionary Conflict in a Vietnamese Province, by J. Race. Mil Rev 52:106 May '72; MarCor Gaz 56:18 May '72



BOOK REVIEWS - Continued

- The War of the Running Dogs: The Malayan Emergency, 1948-1960, by N. Barber. Army Qtr 102: 121 Oct '71; MarCor Gaz 56:14 Sep '72; Mil Rev 52:108 Dec '72
- War Without End: American Planning for the Next Vietnams, by M. T. Klare. AF Mag 55:24-25 Nov '72
- Western Technology and Soviet Economic Development--1930 to 1945, by A. C. Sutton. Ordnance 56:331-332 Jan-Feb '72
- When War Comes: The Doomsday Book of the Nuclear Age, by M. Caidin. AF Mag 55:17+ Mar '72
- The White Death: The Epic of the Soviet-Finnish Winter War, by A. F. Chew. Mil Rev 52:110-111 Aug '72
- Who Defends Rome? The Forty-Five Days, July 25 to September 8, 1943, by M. S. Davis. Mil Rev 52:110 Jul '72
- Why Don't We Learn from History? by B. H. Liddell Hart. Armor 81:59-60 Nov-Dec '72
- Wider War: The Struggle for Cambodia, Thailand and Laos, by D. Kirk. Armor 81:64 May-Jun '72
- William Tecumseh Sherman, by J. M. Merrill. AU Rev 23:79-83 Mar-Apr '72
- Worlds Apart. China 1953-55; USSR 1962-65, by H. Trevelyan. RUSI J for Def Studies 117:87-88 Mar '72
- Yangtze Patrol, by K. Tolley. Sea Power 15:38-39 Feb '72
- The Yoxford Boys: the 357th Fighter Group on Escort Over Europe and Russia, by M. C. Olmsted. Aerosp Hist 19:106 Jun '72
- Zhukov, by O. P. Chaney, Jr. AF Mag 55:22 Feb '72; Mil Rev 52:105 Feb '72; Parameters 1:73 Winter '72; Armor 81:62-63 May-Jun '72; RUSI J for Def Studies 117:76 Jun '72; Army Qtr 102:511-512 Jul '72; Aerosp Hist 19:160-161 Sep '72

BOOSTERSSee also

- Space Project--Scout
- The Europa 3 carrier rocket system. Hans E. W. Hoffmann. tabs illus (Also cutaway) Interavia 27:398-400 Apr '72
- Europa F11 launch: A watery grave. M. Deskau. illus map Interavia 27:41-42 Jan '72
- Select Committee repeats need for more vigorous UK space policy. illus Spaceflight 14:102-103 Mar '72
- The space shuttle. (Statements by Richard M. Nixon and James C. Fletcher, Jan 5, 1972) illus Spaceflight 14:122-125 Apr '72
- Space shuttle: Crisis and decision. David Dooling, Jr. tabs illus (Also cutaway) Spaceflight 14:242-245 Jul '72
- Space shuttle main engine. David Dooling, Jr. illus Spaceflight 14:55-57 Feb '72
- Will Europe buy American launch vehicles? Interavia 27:19 Jan '72

BORDA, Richard J.

- Travel pay for low EM called 'top priority' item. Interview. Richard J. Borda. AF Times 33:4 Aug 23 '72

BOWEN, Thomas W.

- The art of advisorship. BrigGen Thomas W. Bowen. por Armor 81:6-8 Sep-Oct '72

BOYDEN, Hayne D.

- ... And Santo Domingo. BrigGen Hayne D. Boyden, Ret. illus MarCor Gaz 56:58-59 Nov '72

BRADLEY, Mark E., Jr

- Kimmel, Short were not bad guys. (Address, 30th Anniversary Commemoration of Pearl Harbor, Verdugo Roost Dinner, Assoc of Old Crows, Burbank, Calif, Dec 8 1971) Gen Mark E. Bradley, Ret. tab Elect Warfare 4:20-21+ Winter '72

BRADLEY, Omar N.

- Honors for General Bradley. por Armed Forces J 109:14-15 Jul '72
- Leadership. (Address, Army War College, Oct 1971) Gen Omar N. Bradley. por Parameters 1:2-8 Winter '72
- A visit with the soldiers' general: General of the Army Omar N. Bradley. Benjamin F. Schemmer. por Armed Forces J 109:28-30 Jun '72

BRAIN

- Intracranial aneurysm and sudden death. S. W. Berkheiser. illus Aerosp Med 43:331-332 Mar '72

BRAINWASHING

- Questions facing the Code of Conduct. LtCol Charles E. Marean. illus MarCor Gaz 56:36-43 Jul '72

BRAKESSee also

- Airplanes, Military--Brakes

BRAUN, Wernher von

- Almost all conditions are 'go' for the space shuttle. Interview. Wernher von Braun. por AF Mag 55:20-26 Mar '72; Aerosp Intl 8:6-8+ May-Jun '72

BRAY, Leslie W., Jr.

- The role of the Air Force in the 1980s. (Address, American Ordnance Assoc, Eglin AFB, Fla, Oct 4, 1972) MajGen Leslie W. Bray. AF Plcy Ltr for Comdrs: Sup No. 11:17-24 Nov '72

- Vietnamization: Impossible dream? Bruce Callander. AF Times 32:1+ Jan 26 '72

BRAZIER, Don R.

- The FY 73 Defense budget: Reality vs image. (Address, American Society of Military Comptrollers National Symposium, Bolling AFB, DC, May 17, 1972) Don R. Brazier. por Armed Forces Compt 17:9-14 Summer '72

BRAZIL

- Brazilian Army engineers projects. LtCol George K. Withers, Jr. illus map Mil Engr 64:416-417 Nov-Dec '72

- Will Brazil become a great power? LCDR Paul D. Kigar, Ret. illus map Mil Rev 52:70-78 Dec '72

BRIDGES

- About that bridge on the River Kwai. LtCol William A. Henderson. illus map AF Mag 55:42-46 Feb '72

BRIDGES - Continued

- German tactical river crossings for the 1980's.  
LtCol Joachim K.W. Zickert. illus Mil Engr  
64:1-4 Jan-Feb '72
- How to save a bridge. 2dLt F.J. Hawkins, Jr.  
MarCor Gaz 56:58 Aug '72
- Obstructive bridge alteration. B.W. Walker. illus  
Mil Engr 64:391-393 Nov-Dec '72
- Spanning the Danube. illus Army Log 4:24-25 Mar-  
Apr '72
- Spoonbill Bridge, Korea. Capt Robert D. Anderson.  
illus Mil Engr 64:242-244 July-Aug '72

BRIEFING AND BRIEFING TEAMS

- Medical facility briefings. TIG Brief 24:2 Oct 27 '72
- Passenger briefings. illus Approach 18:16-20  
Dec '72
- Talk talk--a series of ideas to improve your presen-  
tations. Laurence E. Olewine. illus Armed Forces  
Compt 17:14-15+ Fall '72

BRITISH INTERPLANETARY SOCIETY

- The BIS at Cape Kennedy. illus tab map Spaceflight  
pt 1, 14:40 Jan '72; pt 2, 14:45-49 Feb '72
- Britain urged to join space shuttle programme (by  
British Interplanetary Society). Spaceflight 14:126-  
127 Apr '72
- (Report on) 27th Annual General Meeting (London,  
June 14, 1972). Spaceflight 14:351-352 Sep '72
- Return to the Cape; an account of the excursion by  
BIS members to see the launch of Apollo 16. Max  
Wholey. illus Spaceflight 14:335-341 Sep '72
- The scope and extent of UK participation in space.  
A.V. Cleaver. illus Spaceflight 14:99-102 Mar '72

BROOKS, Harry W., Jr

- Race relations: Main battle is still ahead. BrigGen  
Harry W. Brooks. por Army 22:102-104 Oct '72

BROOKS, James S.

- A management challenge: Army Aviation in the  
National Guard. BrigGen James S. Brooks. illus  
USA Avn Dig 18:5-7 Mar '72
- Priority aggregate strength. BrigGen James S.  
Brooks. tabs Natl Guardsman 26:10-12 Feb '72

BROWN, George S.

- AFSC--a step ahead of history. por AF Mag 55:80-83  
May '72
- Air armament of the future. (Address, 54th Annual  
Defense Preparedness Meeting, American Ord-  
nance Assoc, Eglin AFB, Fla, Oct 4, 1972) Gen  
George S. Brown. AF Pley Ltr for Comdrs: Sup  
No. 11:25-29 Nov '72
- Cost management in Air Force Systems Command.  
George S. Brown. por AF Compt 6: back cover  
Jan '72
- Program management. Gen George S. Brown. illus  
Ordnance 57:54-58 Jul-Aug '72
- Strategic options and total force concepts. Interview.  
Gen George S. Brown. por AF Mag 55:39-44  
May '72

BROWN, I. G.

- ANG--combat ready all week long. por AF Mag  
55:122-123 May '72

BROWN, I. G. - Continued

- Communication is a two-way street. (Report on ANG  
Commanders' Conference, Denver, 1971) por  
Natl Guardsman 26:26-27+ Jan '72
- Try One. (ANG recruiting program) MajGen I. G.  
Brown. por Air Reservist 23:10-11 Dec '71-  
Jan '72

BROWNE, Secor D.

- Before Madrid (1st World Congress on Air Transpor-  
tation and Tourism)--opportunities missed.  
Interavia 27:577 Jun '72

BUDGET

- This heading is used only for budget of a country as a  
whole; see Appropriations and Expenditures for the  
military services and other agencies.

Great Britain

- The United Kingdom's mod MOD (Ministry Of Defense)  
financial management. Steve Canton. illus AF  
Compt 6:2-7 Jan '72

United States

- Defense budget and management problems. Robert C.  
Moot. illus Review 51:20-22+ Mar-Apr '72
- The President's budget. illus Govt Exec 4:33-34  
Mar '72

BUILDING AND CONSTRUCTIONSee also

- Air Bases--Construction  
Underground Structures  
Vietnamese Conflict, 1957- --Engineering and  
Construction  
(AF) building funds cut slightly. AF Times 32:2  
Jul 5 '72
- AFers help Viets construct housing. AF Times 32:49  
Mar 8 '72
- Architect/engineers and military construction.  
(Army, Navy and Air Force construction pro-  
grams) (Adapted from papers, Architect/Engi-  
neer Conference on Federal Agency Construction  
Programs, St Louis, Nov 30, 1971) MajGen D.A.  
Raymond, RADM D.G. Iselin and MajGen M.R.  
Reilly. illus Mil Engr 64:166-169 May-Jun '72
- Bachelor housing bright. Bob Towle. AF Times 33:1+  
Oct 25 '72
- Bachelor units top building funds bid. Bob Towle. tab  
AF Times 32:19 Apr 5 '72
- Builder to be named for 'assembly-line' housing.  
AF Times 32:8 Jun 7 '72
- Congress boosts funding for '73 housing program.  
Bob Towle. AF Times 33:2 Nov 22 '72
- Construction management and management science.  
George C. Windrow. illus tabs AF Civil Engr 13:  
22-23+ May '72
- DOD takes control of on-base motels. Bob Towle.  
AF Times 32:2 May 17 '72
- Deadline moved on housing bids. AF Times 32:19  
Jan 12 '72
- Defense and the taxpayer. Robert L.F. Sikes. Mil  
Engr 64:22-23 Jan-Feb '72
- Engineer Reserves on construction. Maj Karl F.  
Schmid. illus Mil Engr 64:23-24 Jan-Feb '72
- Engineers (from Offutt AFB, Neb) aid Santee Sioux.  
Lt Richard L. Holman. illus AF Times 33:32  
Aug 9 '72



BUILDING AND CONSTRUCTION - Continued

Environmental quality and military construction.  
Fanning M. Baumgardner. illus Mil Engr 64:237-238 Jul-Aug '72

Fair rent housing increased. AF Times 33:2 Oct 25 '72

Family housing units set back. Bob Towle. AF Times 32:1+ Aug 2 '72

46 bases due housing improvement--funds still needed. AF Times 33:19 Aug 30 '72

Germany barracks to get overhaul. AF Times 32:24 Feb 16 '72

Griffiss (AFB, NY) to get more low-cost housing. illus AF Times 32:6 Jun 14 '72

The HORSE is not dead: How to employ RED HORSE in the CONUS. Maj John L. Moore. illus tab AF Civil Engr 13:1-5+ Aug '72

Home right urged (by pressure from Congress) for young airmen. AF Times 33:4 Oct 11 '72

Home upgrading projects planned at 46 installations. Bob Towle. tab AF Times 32:4 Feb 23 '72

Housing priorities shifted--lower EM get break. Bob Towle. tab AF Times 32:1+ Mar 8 '72

Housing to slow in FY 74. Bob Towle. AF Times 33:1+ Dec 20 '72

Improvements set for family units. Bob Towle. AF Times 32:1+ Jun 28 '72

Military construction in Korea. CDR William D. Middleton. illus Mil Engr 64:30-32 Jan-Feb '72

'Mod' dorms top construction plans. Bob Towle. AF Times 32:1+ Feb 2 '72

NAF cut slated. Bob Towle. AF Times 32:1+ Jan 12 '72

New Federal building criteria. Arthur F. Sampson. Mil Engr 64:85-86 Mar-Apr '72

OTS expansion planned--building at Lackland (AFB, Tex). illus AF Times 32:16 Jan 5 '72

Personnel budget: Fewer people, higher pay; re-computation in. James D. Hessman. tab Armed Forces J 109:34-35 Mar '72

Plastic wrapped roads. S. L. Webster. illus Mil Engr 64:191-193 May-Jun '72

Postal construction and the price of postage stamps. BrigGen George A. Rebh. illus map Mil Engr 64:262-265 Jul-Aug '72

Prime BEEF delivers again. (Aircraft hangars constructed at U-Tapao Airfield, Thailand) Capt Floyd A. Ashdown. illus AF Civil Engr 13:21-23 Aug '72

Quality control for military construction. Robert G. Liebhardt. Mil Engr 64:245-246 Jul-Aug '72

Rapid setting cements. L. E. Pendergrast. illus tab AF Civil Engr 13:8-10 Aug '72

Roofs for cold regions. Haldor W. C. Aamot and David Schaefer. illus Mil Engr 64:158-160 May-Jun '72

Soil cement: Boon for developing countries. H. H. Duval. illus tab Mil Engr 64:183-185 May-Jun '72

Spoonbill Bridge, Korea. Capt Robert D. Anderson. illus Mil Engr 64:242-244 Jul-Aug '72

Sprucing up in Europe. Lt Carl G. Schott. illus Army 22:33-35 Apr '72

TLF (Temporary Lodging Facilities) program hits slowdown. AF Times 33:19 Nov 8 '72

BUILDING AND CONSTRUCTION - Continued

The task was unprecedented--the story of the DeLong piers. James Ziccarelli. illus Def Trans J pt 1, 28:24-29 Mar-Apr '72; pt 2, 28:40-49 May-Jun '72

\$13.8 million requested to repair family housing. Bob Towle. AF Times 32:5 Feb 16 '72

(Veterans Construction Job) Clearinghouse seeks jobs for vets in construction. AF Times 32:51 Feb 23 '72

BUILDINGS, PREFABRICATED

Builder to be named for 'assembly-line' housing. AF Times 32:8 Jun 7 '72

Deadline moved on housing bids. AF Times 32:19 Jan 12 '72

Family housing units set back. Bob Towle. AF Times 32:1+ Aug 2 '72

Griffiss (AFB, NY) to get more low-cost housing. illus AF Times 32:6 Jun 14 '72

Housing plans revised--most modular units dropped. Bob Towle. AF Times 33:3 Aug 16 '72

'Mod' dorms top construction plans. Bob Towle. AF Times 32:1+ Feb 2 '72

Movable barracks ordered. AF Times 32:3 May 10 '72

BURCHINAL, David A.

General Burchinal to retire in March (and other general officer retirements announced). por AF Times 33:4 Dec 20 '72

BUREAU OF THE BUDGET see Office of Management and BudgetBURIAL

Beyond the grave. Sgt1C D. Mallicoat. illus Soldiers 27:14-16 Oct '72

Senators probe cemetery racket. AF Times 32:5 Mar 8 '72

BURKE, Arleigh A.

The art of command. (Lecture, Naval War College) ADM Arleigh A. Burke, Ret. por Nav War Col Rev 24:24-28 Jun '72

BURT, David N.

"Should cost": A multimillion-dollar savings. Maj David N. Burt. illus AU Rev 23:38-44 Sep-Oct '72

BUSINESSSee alsoSmall Business

Aid for Reserve Forces--business group growing. AF Times 33:19 Sep 13 '72

The logistics systems concept as a basis for organizational design. Daniel W. DeHayes, Jr and Robert L. Taylor. illus Log Spectrum 6:33-41 Winter '72

Reserve Forces and employers: Partners in national security. Roger T. Kelley. illus Def Mgt J 8:50-56 Oct '72

Strategic implications of the growth of multinational enterprise--an overlooked opportunity for application of the indirect approach. LtCol Richard A. Bowen. map Forum No. 15:18-33 Spring '72

Study and Teaching

Graduate program (in business education, Utah College of Business) expands. AF Times 32:9 Jan 12 '72

BYRD, Robert C.

Senator Robert C. Byrd: A study in contrast and power. por biog Govt Exec 4:49 Aug '72



CAB see Civil Aeronautics Board

CAP see Civil Air Patrol

CAT (Clear Air Turbulence) see Turbulence

CBW see Chemical-Biological Warfare

CENTO see Central Treaty Organization

CHAMPUS (Civilian Health And Medical Program of the Uniformed Services) see Medicare

CRAF see Civil Reserve Air Fleet

CAGLE, Malcolm W.

Task Force 77 in action off Vietnam. VADM Malcolm W. Cagle. illus map tab US Nav Inst Proc 98:66-109 May '72

CAMBODIA

Will training be enough? (Cambodian and U.S. instructors speak alternately during a training lecture at Long Hai) Jac Weller. illus Review 52: 14-16+ Sep-Oct '72

CAMERAS

Apollo 16. illus Space World I-7-103:4-12 Jul '72

Astronomy on the moon. illus Spaceflight 14:252-253 Jul '72

Developments in reconnaissance equipment--a review of some new systems. illus Interavia 27:494-496 May '72

The F-104 gun camera revisited; or, Help stamp out 21.4. LtCol Ross Whistler. illus USAF Ftr Wpns Rev, pp 1-4, Fall '72

Man's first space observatory from the moon. illus Space World 1-8-104:40-41 Aug '72

New sensors for airborne reconnaissance. illus Interavia 27:489-493 May '72

CAMPBELL, William B.

BXs eye fund transfers to forestall price hikes (according to MajGen William B. Campbell). Bob Towle. AF Times 32:3 Jul 12 '72

Clothing sales problem for BX. Interview. MajGen William B. Campbell. AF Times 32:54 Jul 19 '72

CAMPING see Recreation; Travel, Military

CANADA

#### Foreign Policy

Canadian defence policy. Peter Silverman. illus Royal United Svcs Inst for Def Studies J 116:40-45 Dec '71

CANALS see Waterways

CANTWELL, James F.

(NGA president's comments) MajGen James F. Cantwell. Regular feature in issues of National Guardsman

CAPPUCCI, Joseph J.

DOD security job goes to Cappucci (and other general officer job shifts announced). AF Times 32:2 Mar 15 '72

CARBON DIOXIDE

The evolution of revolutionary laser weapons. Forrest M. Mims III. illus AF Mag 55:54-58 Jun '72

CARBON MONOXIDE

Carbon monoxide intoxication presenting as air embolism in a diver: A case report. Fred A. Furgang. Aerosp Med 43:785-786 Jul '72

Cigarette smoking and carbon monoxide. LtCol David Root. illus Aerosp Safety 28:14-15 Mar '72

Some considerations in establishing divers' breathing gas purity standards for carbon monoxide. Joseph D. Bloom. tabs Aerosp Med 43:633-636 Jun '72

CARDWELL, Edward, Viscount

Cardwell and the military reformation. Maj D.M.R. Esson. Army Qtr 102:496-508 Jul '72

CAREER PROGRAM

Here are entered materials on career specialization and professional development. Specific occupations may be found under their own headings, e.g., Engineers.

A&F (Accounting and Finance) junior officer development. Robert C. Woods. illus AF Compt 6:29 Jan '72

The ASW officer: "Jack of all trades, master of none." Robert R. Mackie. illus US Nav Inst Proc 98:34-40 Feb '72

An Air Force professional--the base communications officer. MajGen Lee M. Paschall. illus Signal 26:48-50+ Jan-Feb '72

Airman panel suggests 'people program' changes (at AF Career Motivation Conference, Maxwell AFB, Ala, June 5-9, 1972). AF Times 33:55 Aug 23 '72

(Army) Officer Personnel Management System (OPMS). Mil Rev 52:100-101 Jul '72

Aviation warrant (officer)--a new career pattern. Col Thomas E. Anderson. illus USA Avn Dig 18: 3-9+ Jul '72

Big changes for Army Guardsmen--a new Reserve Components Enlisted Career Program. Natl Guardsman 26:24-25 Dec '72

Bosses concern career panel--airmen-officers eye middlemen (at AF Career Motivation Conference, Maxwell AFB, Ala, June 5-9, 1972). AF Times 33:1+ Aug 23 '72

Career aid plan (Palace Sentinel) set in intelligence field. AF Times 33:44 Aug 23 '72

Career information. TIG Brief 24:5 Nov 10 '72

Career (motivation) meeting (at Maxwell AFB, Ala) seeks 'purpose.' Bruce Callander. AF Times 32:1+ Jun 21 '72

Career Reserve status. TIG Brief 24:7 Mar 10 '72

The challenge of logistics: An open letter. CAPT Clarence O. Fiske. illus Nav War Col Rev 24:59-63 Apr '72

The 'complete' comptroller. Capt Stanley D. Griffis. illus tabs AF Compt 6:14-17 Jul '72

DOD-wide career program for comptrollership/financial management. Douglas J. Blatt. illus Armed Forces Compt 17:4-7+ Fall '72

Delusions of grandeur: Career assignment patterns and goals of active duty majors in USACGSC class of 1971-72. Maj Phillip W. Mock. tabs illus Mil Rev 52:50-65 Oct '72

Education advances AFCS careers--command develops four-phase program. AF Times 32:36 Jul 19 '72

CAREER PROGRAM - Continued

- Mini-AF to meet at job conference (Career Motivation Conference, Maxwell AFB, Ala, June 5-9 1972). AF Times 32:5 Apr 19 '72
- NCO education system: Career development. Capt Thomas P. Curtin. Infantry 62:42-43 May-Jun '72
- Naval aviators: White sheep or black sheep? LT T.G. Shown. US Nav Inst Proc 98:96-98 Aug '72
- Navigator career management. LtCol George R. Davidson. illus tabs Navigator 19, No. 3:26-28 '72
- New career fields open to WAF. TIG Brief 24:10 Jun 16 '72
- Nurse Development Board plans career progression. TIG Brief 24:14 Jun 2 '72
- OPMS (Officer Personnel Management System). tab Mil Rev 52:95-97 Sep '72
- Officers want tighter trax criteria (at AF Career Motivation Conference, Maxwell AFB, Ala, June 5-9, 1972). AF Times 33:55 Aug 23 '72
- Panels back many efforts (at AF Career Motivation Conference, Maxwell AFB, Ala, June 5-9, 1972). AF Times 33:8 Aug 23 '72
- Personnel outlook for the comptroller family. Col Edmund W. Edmonds, Jr. illus tabs AF Compt 6:11+ Jan '72
- A point of view. (Career development for aviation warrant officers) CW4 Robert Meade. illus USA Avn Dig 18:6-9 Apr '72
- 'Pros' talk shop about motivation (at AF Career Motivation Conference, Maxwell AFB, Ala, June 5-9, 1972). AF Times 33:20 Aug 23 '72
- The surface line officer: Some conn, some can't. CDR D.R. Larson. illus chart US Nav Inst Proc 98:42-49 Jul '72
- 'TOPREP' (Total Objective Plan for USAF air Reserve Personnel) controls Reserve careers. AF Times 33:13 Oct 4 '72
- This business of project management. CAPT Frank H. Featherston. illus US Nav Inst Proc 98:22-29 Jan '72
- The weather career field. illus Contact 26:6 Jan-Feb '72
- Wives air housing, store gripes--no children in commissaries? (AF Career Motivation Conference, Maxwell AFB, Ala, June 5-9, 1972) Sue Toma. AF Times 33:8 Aug 23 '72

CARGOSee also

Air Cargo

- Cargo (in)security. Col John F. Hyde. illus Translog 3:6-7 Jun '72
- Cargo + apathy x dishonesty = cargo loss. Capt Bradford J. Bernard. illus Translog 3:6-8 May '72
- Combating cargo theft--it's the good guys move!! Richard F. Lally. illus Def Trans J 28:22-23+ Sep-Oct '72
- Don't seal it (cargo) with a kiss! Maj Richard L. Moe. illus Translog 3:4-7 Oct '72
- "End of beginning" seen in war on cargo theft. Translog 3: inside back cover Aug '72

CARGO - Continued

- Future water transport. Maj William D. Siuru, Jr and William G. Holder. illus Ordnance 56:395-399 Mar-Apr '72
- The MTMTS cargo security program. Capt Gerald H. Lucas. illus Translog 3:2-5 Mar '72
- MTMTS Terminal Unit, Pacific Northwest. illus Translog 3:24-25 Feb '72
- New technology in maritime cargo systems. (Four articles adapted from panel discussion on Containerized Movement Systems) illus Def Trans J pt 1, Introduction. M.E. Parr. 28:34-36; pt 2, The cellular containership. A.J. Mayor. 28:36-38; pt 3, LASH. CAPT Adrian Spidle, Ret. 28:39-42; pt 4, Seabee. S.A. LeBlanc, Jr. 28:42-45 Jul-Aug '72
- One step beyond. (Special handling codes) illus Translog 3:6-7 Jul '72
- Retrograde materiel becomes big business. Col Henry G. Allard. illus Translog 3:2-5 Jul '72
- Rotterdam-Europoort--versatility increases efficiency. Frans Posthuma. illus tab Def Trans J 28:50-53 May-Jun '72
- So they were married. (Classifying Defense cargo) Don Thompson. illus Translog 3:17-18 Mar '72
- Transportation procurement at A.I.D.: 300 million tons--some reminiscences. R.C. Duane. illus tabs Def Trans J 28:52-55 Jan-Feb '72
- The versatile, vulnerable container ship. Col Frank B. Case. illus US Nav Inst Proc 98:48-53 Feb '72
- What it's like to be on TV. (CCTV protects cargo) Frank K. Costa. illus Translog 3:7-8 Feb '72
- The whopping cranes. LCDR James E. Huffman. illus Translog 3:2-5 May '72

Bibliography

Cargo security bibliography. Regular feature in issues of Translog

CARIBBEAN REGION

- The Royal Netherlands Navy in the Caribbean. Lt Frans P.H.M. Koch. illus US Nav Inst Proc 98: 118-120 Apr '72

CARICATURES AND CARTOONS

- A brief view of military cartoons through American history. SP4 Charles D. Noland. illus Soldiers 27:16-19 Dec '72
- Humor is no laughing matter! Capt Peter M. Elson. illus Infantry 62:16-19 Mar-Apr '72
- 1984--all the world's scarecraft. Maj Robert L. Brown. illus AF Mag 55:34-37 Jan '72
- The passing of Pilot Officer Prune. Bill Hooper. illus Royal Air Forces Qtr 12:137-141 Summer '72
- With pen and pencil. (Cartoonist TSgt Hank Krueger) Sgt Dave Cole. illus Airman 16:24-27 Nov '72

CARLTON, Paul K.

- General Carlton named MAC commander. por Def Trans J 28:59 Nov-Dec '72
- (LtGen) Carlton selected MAC commander (and other general officer activity announced). AF Times 33:55 Oct 4 '72
- New commanders named for Military Airlift Command, Army Transportation Center. Translog 3:17 Oct '72



CARTOGRAPHY see Maps and MappingCASUALTIES

See also subdivision under specific wars, e.g.,  
Vietnamese Conflict, 1957- --Casualties

CATTON, Jack J.

The C-5's strategic airlift capability. (Remarks, Aviation/Space Writers Assoc, New York, May 25, 1972) Gen Jack J. Catton. AF Plcy Ltr for Comdrs: Sup No. 9:9-13 Sep '72

Catton to head AFLC, (LtGen George B.) Simler going to MAC (and other general officer action announced). AF Times 33:2 Aug 16 '72

MAC--its middle name is airlift. por AF Mag 55: 75-79 May '72

Military airlift in Southeast Asia. Interview. Gen Jack J. Catton. por AF Mag 55:47-49 Oct '72

CAVALRY

See also  
Air Cavalry

The cavalryman's century of valor. Maj Mel R. Jones. illus Armor 81:12-17 Mar-Apr '72

Unit awards (Armor and Cavalry) for service in the Republic of Vietnam (as of 31 March 1972). Armor 81:43-47 Sep-Oct '72

1st CAVALRY DIVISION (TRICAP)

Hell on wheels defeats the heliborne threat. (Exercise Gallant Hand 72) LtCol J. Hollis McCrea, Jr. illus Armor 81:23-25 Sep-Oct '72

TRICAP Division support command test. Col Beverly M. Bzdek. charts Army Log 4:30-32 Sep-Oct '72

TRICAP--the challenge of the seventies. MajGen William B. Fulton. illus Armor 81:21-23 May-Jun '72

Triple threat team--TRICAP puts it all together. SP4 Chuck Noland. illus Soldiers 27:5-9 May '72

CELEBRATIONS

Proposal for a maritime bicentennial--how do you renovate a heritage? Bernadine M. Kopec. illus Sea Power 15:21-25 Oct '72

CEMETERIES, NATIONAL

Cemetery shift foreseen--VA to take over control. AF Times 32:18 Mar 8 '72

Congress wants VA to run cemeteries. Larry Carney. AF Times 32:9 May 24 '72

House gives VA cemetery control. AF Times 32:15 Jun 21 '72

Under northern lights--Sitka Cemetery. Lyman L. Woodman. illus Soldiers 27:23 Feb '72

CENTRAL AMERICA

Overland from Alaska to Cape Horn. (Combined British, U.S., Colombian, and Panamanian Armed Forces expedition on the Pan American Highway) F. C. Livingstone. illus maps Mil Engr 64:333-337 Sep-Oct '72

CENTRAL TREATY ORGANIZATION

CENTO--the unknown Alliance. AM Neville Stack. RUSI J for Def Studies 117:51-53 Sep '72

The Middle East and the Mediterranean. London's International Institute for Strategic Studies. illus tabs AF Mag 55:75-80 Dec '72

CENTRIFUGES

Combat pilots train in Brooks (AFB, Tex) centrifuge. AF Times 32:36 Feb 16 '72

Effects of bedrest and centrifugation of humans on serum thyroid function tests. Carolyn S. Leach and others. tab Aerosp Med 43:400-402 Apr '72

CERAMIC MATERIALS

(ALQLOY II--an alloy poly-crystal material) Signal 27:60 Dec '72

CEREMONIES, MILITARY see Military Ceremonies, Honors and SalutesCHAFEE, John H.

Warner succeeds Chafee as Secretary (of the Navy). L. Edgar Prina. por Sea Power 15:34-35 May '72

The winds of change. (John H. Chafee resigns as Secretary of the Navy; John W. Warner appointed to succeed him) por Govt Exec 4:17 May '72

CHAISSON, John R.

In memoriam. MarCor Gaz 56:4 Nov '72

CHAPELS

Each base chapel open to all faiths. AF Times 32:37 Mar 29 '72

Religious facilities and materiel. TIG Brief 24:11 Apr 7 '72

Word due on chapel for cadets (at AFA). AF Times 32:3 Jul 19 '72

CHAPLAINS

CDR George Evans, Jr named (ROA) Chaplain of the Year. illus Officer 48:15 Feb '72

Air Force--U. S.

Black Moses. (Chaplain I. V. Tolbert) Sgt Leon A. Casey. illus Airman 16:41 Oct '72

Chaplain Inspection Guide. TIG Brief 24:25-29 Sep 15 '72

Chaplain management transmission file. TIG Brief 24:13 Apr 7 '72

Chaplain program planning. TIG Brief 24:4 Sep 29 '72

The duty chaplain. TIG Brief 24:17-18 May 5 '72

Encounter. (Chaplains talk with drug addicts) SSgt John C. Gundersdorf. illus Airman 16:23-25 Feb '72

Pastoral ministry. TIG Brief 24:20 Dec 8 '72

The pizza priest of Korat (AB, Thailand). (Ch(Capt) Don Shepanski) Sgt Dave Cole. illus Airman 16: 11-12 Oct '72

Your control of your Air Force career. (Remarks, Chaplains' Conference, Wright-Patterson AFB, Ohio, Oct 17, 1972) Gen John D. Ryan. AF Plcy Ltr for Comdrs: Sup No. 12:2-6 Dec '72

Navy--U. S.

Religious pluralism and Navy chaplains. CAPT R. G. Hutcheson, Jr. illus US Nav Inst Proc 98:116-119 Feb '72

CHAPMAN, Kenneth R.

How computers will fly tomorrow's airplanes. Interview. BrigGen K. R. Chapman. por AF Mag 55:28-35 Jul '72



CHAPMAN, Leonard F., Jr

The view from the tank: Interviews with the Joint Chiefs. por Armed Forces J 109:36-44 Jan '72

CHARITIES

Die Luftwaffe--cactus country good citizens. Col Barney Oldfield, Ret. illus NATO's Fifteen Nations 17:94-99 Aug-Sep '72

CHARTER AIR SERVICE see Airlines--Nonscheduled OperationsCHASE, John D.

Military Sealift Command procurement and the Merchant Marine. RADM John D. Chase. por Def Trans J 28:40-45 Jan-Feb '72

Military Sealift Command: The challenge of modern sealift support. Interview. RADM John D. Chase. por Def Trans J 28:18-20+ Nov-Dec '72

Revitalizing America's seapower. RADM John D. Chase. illus Translog 3:6-9 Sep '72

CHEMICAL-BIOLOGICAL WARFARESee also

Defoliation

Ban the chemicals? Editorial. Ordnance 57:52 Jul-Aug '72

CB defense. Regular feature in some issues of Ordnance

The Chemical Corps: Alive, well and visible. Col Stanley D. Fair. illus Army 22:29-32 Apr '72

Chemical warfare: A better alternative. GySgt Fredrick P. Peterkin. illus MarCor Gaz 56:37-39 Oct '72

CHEMICAL CORPS

The Chemical Corps: Alive, well and visible. Col Stanley D. Fair. illus Army 22:29-32 Apr '72

CHEMICALS

Chemicals in foods. James J. Albrecht. illus Review 51:10-11+ Mar-Apr '72

HCP (HexaChloroPhene) cosmetics named, banned. AF Times 33:5 Dec 27 '72

Riot control agents in offensive operations. Capt Paul K. Van Riper. illus maps MarCor Gaz 56:18-23 Apr '72

Spontaneous generation and chemical evolution. P.M. Molton. illus tab Spaceflight 14:187-191 May '72

Third meteorite contains amino acids. Space World I-3-99:30 Mar '72

Use and disposal of DDT. TIG Brief 24:20 Dec 22 '72

CHENEY, James S.

JAG head orders reduced pre-trial confinement use. AF Times 32:3 May 17 '72

CHILDREN, MILITARYSee also

Education (Dependents)  
Project--CHAP

Airman (Frankie L. Williams) wins appeal ruling. AF Times 32:3 Apr 26 '72

Anatomy of an instigator. Margaret Eastman. illus AF Times, Family sup:10 Mar 15 '72

CHILDREN, MILITARY - Continued

Are you still out there, world? Teenland, USA survives in the boonies of (Grand Forks AFB) North Dakota. Marianne Lester. illus AF Times, Family sup:12-15+ Dec 6 '72

Battered babies: Pity the parents too. Andrew Schneider. AF Times, Family sup:8-10 Dec 6 '72

Retiree can opt child-only annuity but move can't be changed. AF Times 33:10 Nov 8 '72

Sex in the Armed Forces. tab illus Armed Forces J 109:32-34 Jan '72

U.S. Army: Schoolmaster in Europe. Allen Dale Olson. illus Army 22:35-38 Jan '72

CHINAForeign Economic RelationsUnited States--History

Yankees in China ports. LT Ralph Oman. illus US Nav Inst Proc 98:70-81 Oct '72

Foreign RelationsJapan

The lessons of an undeclared war. LtGen Masatake Okumiya, Ret. illus tab US Nav Inst Proc 98:25-31 Dec '72

History

China Marine (Sgt Albert C. Marts). Robert M. Leventhal. illus MarCor Gaz 56:36-42 Nov '72

Homer Lea--interloper on history. John Clark Kimball. illus US Nav Inst Proc 98:61-67 Apr '72

New Sino-American relations. Capt Noel M. Fallon. Fld Artilleryman No. 49:23-28 Feb '72

Shanghai emergency. Maj Richard B. Rothwell. illus MarCor Gaz 56:45-53 Nov '72

Tiger cat (Lin Piao). Capt Lawrence C. Petersen. Fld Artilleryman No. 49:9-17 Feb '72

CHINA (PEOPLE'S REPUBLIC)

China: An emerging military superpower. Charles H. Murphy. illus tab AF Mag 55:52-57 Jul '72

China's resistant resource: People. Richard L. Walker. Persp in Def Mgt, pp 35-43, Spring '72

The Chinese mind: A probing and exploration. (Lecture, Naval War College, 1971) Clyde B. Sargent. illus Nav War Col Rev 24:41-49 Jan '72

Current trends in the People's Republic of China. Maj Monte R. Bullard. illus Mil Rev 52:64-81 Sep '72

Impressions from China. (USAF aircrew's visit to mainland China) Maj Robert R. Duke. illus Airman 16:24-31 Aug '72

Mainland China after Mao. Col Richard F. Staar. illus maps MarCor Gaz 56:18-26 Oct '72

Mao Tse-tung as strategist. Col William F. Long, Jr. illus Army 22:10-17 Apr '72

National goals and objectives of the People's Republic of China. Col John E. Coon. illus map Parameters I:18-21 Winter '72

Reserve Capt (Donald A. Nelson) flies to Shanghai, brings TV station for Nixon visit. Capt Robert Penn. AF Times 32:24 Mar 1 '72

Tiger cat (Lin Piao). Capt Lawrence C. Petersen. Fld Artilleryman No. 49:9-17 Feb '72

CHINA (PEOPLE'S REPUBLIC) - Continued

What's new in old China. LtCol Joseph R. Cataldo.  
illus Soldiers 27:42-47 Sep '72

Economic Conditions

China's foreign trade--a post-cultural revolution  
appraisal. LtCol Sidney Klein. illus tabs Mil Rev  
52:54-60 Jun '72

Economic Policy

Current trends in the People's Republic of China.  
Maj Monte R. Bullard. illus Mil Rev 52:64-81  
Sep '72

Foreign Economic Relations

China's foreign trade--a post-cultural revolution  
appraisal. LtCol Sidney Klein. illus tabs Mil Rev  
52:54-60 Jun '72

Foreign Policy

Changing unchangeable: U.S. - China policy. Niu Sien-  
Chong. NATO's F'teen Nations 17:58-61 Apr-  
May '72

China looks north: Tactical nukes and a forward  
strategy? William Beecher. illus map Sea Power  
15:22-26 Sep '72

Current trends in the People's Republic of China.  
Maj Monte R. Bullard. illus Mil Rev 52:64-81  
Sep '72

National objectives of the People's Republic of China.  
LtCol James H. Buck, Ret. illus Mil Rev 52:25-37  
Dec '72

Peking and the third world. V. Kudryavtsev. Soviet  
Mil Rev No. 3:52-53 Mar '72

Foreign RelationsAfrica

Should NATO worry about the scramble for Africa?  
illus map NATO's Fifteen Nations 17:16-23 Apr-  
May '72

Strategic power in the Indian Ocean. R. D. M. Furlong.  
illus map tab Intl Def Rev 5:133-140 Apr '72

Pakistan

Peking and the third world. V. Kudryavtsev. Soviet  
Mil Rev No. 3:52-53 Mar '72

Russia

The eagle and the dragon: Washington-Peking contact  
has broad naval implications. Lawrence Griswold.  
illus maps Sea Power 15:28-32 Apr '72

The Sino-Soviet border dispute. Col James H.  
Aarestad. maps Forum No. 13:92-100 Fall '71

United States

China: Nuclear dragon. LCDR Scott Allen. illus US  
Nav Inst Proc 98:43-49 Jun '72

Communist China and the United States--the first  
step. LtCol H. G. Summers. illus US Nav Inst  
Proc 98:54-60 Jun '72

The eagle and the dragon: Washington-Peking contact  
has broad naval implications. Lawrence Griswold.  
illus maps Sea Power 15:28-32 Apr '72

A new page in Sino-American relations? C. L.  
Wayper. Royal Air Forces Qtr 11:269-272  
Winter '71

New Sino-American relations. Capt Noel M. Fallon.  
Fld Artilleryman No. 49:23-28 Feb '72

CHINA (PEOPLE'S REPUBLIC) - ContinuedHistory

Communist China and the United States--the first  
step. LtCol H. G. Summers. illus US Nav Inst  
Proc 98:54-60 Apr '72

Politics and Government

Current trends in the People's Republic of China.  
Maj Monte R. Bullard. illus Mil Rev 52:64-81  
Sep '72

The eagle and the dragon: Washington-Peking contact  
has broad naval implications. Lawrence Griswold.  
illus maps Sea Power 15:28-32 Apr '72

Security implications of President Nixon's Peking  
trip. Angus M. Fraser. Armed Forces J 109:34-35  
Feb '72

History

The Chinese People's Liberation Army and political  
socialization. LtCol George K. Osborn. illus  
Parameters 1:22-27 Winter '72

CHINA (REPUBLIC)

Changing unchangeable: U.S. - China policy. Niu Sien-  
Chong. NATO's Fifteen Nations 17:58-61 Apr-  
May '72

Taiwan 'pullout' pledged by Nixon. AF Times 32:17  
Mar 15 '72

Foreign RelationsJapan

Japan's Taiwan dilemma. Joseph Z. Reday. illus US  
Nav Inst Proc 98:49-53 Mar '72

CHRONOLOGY

See also subdivision Chronology under specific  
subjects

CHURCHILL, Sir Winston L. S.

The flight from Bermuda to England by Boeing Clip-  
per "Berwick"--January 1942. E. B. Halsam.  
Royal Air Forces Qtr pt 1, 12:91-97 Summer '72;  
pt 2, 12:185-190 Autumn '72

Some memories of Winston Churchill. LtGen Ira C.  
Eaker, Ret. por Aerosp Hist 19:120-124 Sep '72

CITIES AND TOWNS

A change in tactics? The urban insurgent. 1stLt  
Robert J. Black. illus AU Rev 23:50-58 Jan-  
Feb '72

Countermeasures against the urban guerrilla. Brig  
C. N. Barclay, Ret. illus Mil Rev 52:83-90 Jan '72

Housebreaking--combat style. LtCol Raymond E.  
Bell, Jr. illus Infantry 62:46-49 Jul-Aug '72

How to save a bridge. 2dLt F. J. Hawkins, Jr.  
MarCor Gaz 56:58 Aug '72

Incinerator-heating plant--element in city planning.  
Capt John R. Mullin. illus Mil Engr 64:418-421  
Nov-Dec '72

Insurgency in the urban area. Capt Fred R. Crowley.  
MarCor Gaz 56:55-56 Feb '72

Urban guerrilla warfare. Col Harries-Clichy Peter-  
son. illus Mil Rev 52:82-89 Mar '72

CITIES AND TOWNS - ContinuedUnited States

Atlanta's Mayor (Sam H.) Massell (Jr) sees cities' problems falling into two areas. (Interview) Joseph L.S. Terrell. illus Govt Exec 4:43+ Oct '72

The city that refused to fail. (Bangor, Maine opened airport after closing of Dow AFB) Capt Gary A. Guimond. illus Airman 16:37-39 Jun '72

Home front action. (Domestic Action project at Dobbins Heights, NC) SP4 Chuck Noland. illus Soldiers 27:23-26 May '72

Six cities look at Uncle Sam. illus Govt Exec 4:88-91 Oct '72

CIVIC ACTION PROGRAMSee also

Domestic Action Program

AFers help Viets construct housing. AF Times 32:49 Mar 8 '72

Children of the kings. (Spanish orphanage aided by SAC wing at Torrejon AB, Spain) SSgt Thomas H. Hollis. illus Airman 16:38-40 Dec '72

Civic Action: A new role for Prime BEEF. Capt Max W. Day. illus map Mil Engr 64:108-109 Mar-Apr '72

Doctor and diplomat in the (Mekong) Delta. LtCol Tom Hamrick, Ret. illus Army 22:23-26 Jan '72

A helping hand. (Army Guard medics aid 7,000 Puerto Ricans) illus Natl Guardsman 26:30-31 May '72

The Latin American military: Positive roles. Maj Michael A. Nelson. AU Rev 23:57-64 Jul-Aug '72

One Army team works in West Virginia. CWO Michael Lopez. illus USA Avn Dig 18:26-27 May '72

"Summertime... and the living is easy." (ANG and USAFR summer training tours) illus Air Reservist 24:3-11 Oct '72

TAC carries goods to Bolivian frontiers. AF Times 32:24 Apr 12 '72

CIVIL AERONAUTICS BOARD

Before Madrid (1st World Congress on Air Transportation and Tourism)--opportunities missed. Interavia 27:577 Jun '72

CAB/ICC--attention to travelers service. illus Govt Exec 4:21 Oct '72

CAB on getting off the ground. (Scheduled air service to small communities) Govt Exec 4:13 Aug '72

CAB wins on charter flights; rule modifications expected. Armed Forces J 109:11-12 Apr '72

Charter companies announce new flights. AF Times 33:21 Oct 11 '72

Charter expands. Bob Horowitz. AF Times 32:1+ Mar 15 '72

House panel approves plan to kill transatlantic flights. AF Times 32:1+ Feb 16 '72

Price panel hears arguments on charter flight restrictions. James D. Hessman. Armed Forces J 109:10+ Jan '72

Retirees bumped from air charters. Armed Forces J 109:10+ Jul '72

Why is a good CAB hard to find when you need a charter flight? Margaret Eastman. AF Times, Family sup:4+ Dec 20 '72

CIVIL AFFAIRS

Whatever happened to civil affairs? Col Adam C. Hart. illus Army 22:27-29 Dec '72

CIVIL AIR PATROLUnited States

CAP coordinators take rescue class. AF Times 32:63 May 10 '72

Plenty busy at the panel. (CAP and National Guard Bureau cooperate to provide training for ANG air traffic controllers) illus Natl Guardsman 26:28-29 Jun '72

CIVIL DEFENSESee also

Evacuation, Civilian

Great Britain

The U.K. Warning and Monitoring Organisation. John Marriott. Armed Forces J 109:24-25 Mar '72

United StatesSee also

Office of Emergency Preparedness

Army, AF set up CD (Civil Defense) assignments--new positions open to Reservists. AF Times 32:47 Jul 26 '72

Civil defense, a success oriented mission. John E. Bex. illus Review 52:59+ Jul-Aug '72

Master plan for national transportation emergency. chart Govt Exec 4:74-75 May '72

A new dimension in civil defense. TIG Brief 24:10 Nov 24 '72

CIVIL ENGINEERING

Air Force Engineering: New director (MajGen M. R. Reilly). illus Mil Engr 64:128 Mar-Apr '72

BEAMS, the multi-purpose tool. Capt Herbert L. Hollar. illus tabs AF Civil Engr 13:22-25+ Feb '72

Base Engineer Automated Management System (BEAMS). TIG Brief 24:15-16 Apr 21 '72

Better engineering using the computer. 1stLt Robert R. Costigan. illus AF Civil Engr 13:19-21 Nov '72

Civil engineer functional area. TIG Brief 24:15-16 Oct 13 '72

A consolidated effort to assist CE organizations worldwide. (AF Civil Engineering Center) Capt John Pelleck. illus chart AF Civil Engr 13:13-15 Nov '72

Design work plans--task or tool? TIG Brief 24:15 Jul 14 '72

Directorate of Civil Engineering: From handymen to professional civil engineers. illus Contact 26:2-5 Jan-Feb '72

The E-M (Engineer-Manager) concept: Luxury or necessity? LtCol Joseph A. Devlin. illus AF Civil Engr 13:14-15 Aug '72

The HORSE is not dead: How to employ RED HORSE in the CONUS. Maj John L. Moore. illus tab AF Civil Engr 13:1-5+ Aug '72

Happiness in RPIE (Real Property Installed Equipment) that runs. CMSgt William N. Patton. illus AF Civil Engr 13:18-20 May '72



CIVIL ENGINEERING - Continued

- How to accomplish a Base Development Plan (BDP). Capt Robert L. Bell. illus AF Civil Engr 13:17-18 Feb '72
- MajGen M.R. Reilly becomes 10th Director of Air Force Civil Engineering. illus AF Civil Engr 13:9 Feb '72
- The middle manager's role in the BCE (Base Civil Engineering) organization. Col Frank G. Barnes. illus AF Civil Engr 13:6-8 May '72
- Paths to progress. LtCol Sheldon J. Lustig and A.M. Crawford. illus AF Civil Engr 13:9-11 May '72
- Prime BEEF. illus Air Reservist 24:6-7 Aug-Sep '72
- Prime BEEF program violations. TIG Brief 24:20 Jun 2 '72
- A progress report on AFCE management. A.M. Crawford. illus AF Civil Engr 13:2-5 Feb '72
- Public relations and the BCE. Capt Robert A. Kunselman. illus tab AF Civil Engr 13:11-13 Aug '72
- Quo vadis? (AF civil engineering management) Col Joseph Adamo. illus AF Civil Engr 13:25-28 Aug '72
- 'RED HORSE' gallops across U.S. range. AF Times 33:40 Aug 23 '72
- Reflections--MajGen Guy H. Goddard terminates distinguished active military career. illus AF Civil Engr 13:6-8 Feb '72
- Simplified plans and specs. Maj Arthur P. Hahn. illus tab AF Civil Engr 13:11-13 Feb '72

CIVIL RESERVE AIR FLEET

- MAC keeps 'private air line.' tab Armed Forces J 109:10-11 May '72
- MAC transportation procurement policies. MajGen Ray M. Cole. illus Def Trans J 28:28-32 Jan-Feb '72

CIVIL RIGHTS

- The individual and international law: Some current aspects. (Lecture, Naval War College) Alona E. Evans. illus Nav War Col Rev 24:65-77 Mar '72

CIVIL SERVICE

- See also  
Civilian Employees

- Spooks get promises, not action--DIA still low man on supergrade totem pole. Thomas C. Steinhauer. tabs Armed Forces J 110:17+ Oct '72
- Vets offered job break--temporary appointments. AF Times 32:26 Mar 15 '72

CIVIL SUPREMACY OVER THE MILITARY see  
Military-Civil RelationsCIVIL WAR--U. S.

- General Robert E. Lee and modern decision theory. LtCol Herman L. Gilster. illus AU Rev 23:40-48 Mar-Apr '72
- George H. Thomas: Rock of Chickamauga. LtCol Martin Blumenson and James L. Stokesbury. illus Army 22:45-49 Feb '72
- Little Egypt's naval station (Cairo Naval Station, Ill). Dana M. Wegner. illus US Nav Inst Proc 98:74-76 Mar '72
- The lost Corps: The Confederate States Marines. John E. McGlone III. illus US Nav Inst Proc 98:68-73 Nov '72

CIVIL WAR--U. S. - Continued

- Maury and the Russian Grand Duke (Constantine). Frank J. Anderson. illus US Nav Inst Proc 98:68-70 Aug '72
- Triumph in the West. Maj Gerald P. Stadler. illus Soldiers 27:50-52 Sep '72
- Two generals. (Gens Winfield Scott and Robert Patterson at the Battle of Bull Run) LtCol Leonard D. Johnson. illus MarCor Gaz 56:43-47 Dec '72

CIVILIAN EMPLOYEES

- See also  
Reduction in Force

Air Force--U. S.

- ATC's program for better educated civilians. Glen R. Barnard. illus tabs AF Compt 6:16-17+ Apr '72
- Audit of civilian personnel test security. TIG Brief 24:18 Oct 27 '72
- Civilian employee training and development. TIG Brief 24:5 Apr 21 '72
- IG charges abuses of emergency rule (to move civilian employees into sensitive positions). AF Times 33:4 Sep 20 '72
- Political limitations of military members and federal employees. TIG Brief 24:9-10 Oct 13 '72
- 12,938 youths hired in summer programs--drop seen in '73. Sue Toma. AF Times 33:15 Dec 6 '72
- Use of emergency authority for appointment to sensitive positions. TIG Brief 24:19 Sep 15 '72

Armed Forces--U. S.

- New civilian-military job mix? AF Times 33:3 Nov 8 '72

Statistics

- Personnel and active military forces chart. AF Plcy Ltr for Comdrs: Sup No. 3:31 Mar '72

Defense Dept--U. S.

- AF requests exceptions to freeze: Few expected in civilian jobs; hikes sought for selectees. Don Mace, Jr. AF Times 33:6 Dec 27 '72
- DOD-wide career program for comptrollership/financial management. Douglas J. Blatt. illus Armed Forces Compt 17:4-7+ Fall '72
- Pay hike brings strange results, mixed reviews. tab Armed Forces J 109:10-11 Feb '72
- Unions win o'sea homes row--civilians stay even in priorities. AF Times 32:47 Jun 7 '72

United States

- Equal Employment Opportunity Act of 1972 (PL 92-261). TIG Brief 24:15 Jun 2 '72
- Federal job classification: How much rigidity can the bureaucracy stand. (Interview with Philip M. Oliver) Samuel Stafford. illus Govt Exec 4:58-59+ Oct '72
- Job (Evaluation and) Pay (Review) Task Force finds bureaucracy resistant to changes. (Interview with Philip Oliver) Samuel Stafford. illus Govt Exec 4:27+ Sep '72
- Joint study (of government workers) shows productivity gains. Thomas D. Morris. illus tab Def Mgt J 8:16-20+ Oct '72
- Nixon's cutbacks to start at home. LtGen Ira C. Eaker, Ret. AF Times 33:13 Dec 13 '72

CIVILIAN EMPLOYEES - ContinuedUnited States - Cont'd

Service treats retirees best. Bob Horowitz. AF Times 33:5 Aug 30 '72

U.S. generals are badly outnumbered. tab Armed Forces J 109:60 May '72

Worker productivity key element in government and business. J.D. Hodgson. illus Def Mgt J 8:2-6 Oct '72

Salaries and Wages

BX costs to go up, price hike unlikely. AF Times 33:44 Sep 27 '72

'Blue collar' raises set--military and kin benefit. Bob Horowitz. AF Times 33:1+ Sep 6 '72

Exchanges to continue price cuts despite wage increases. Bob Towle. AF Times 32:4 Jan 26 '72

Federal Task Force finds achieving job evaluation pay reforms is glacier-like. (Interview with Philip M. Oliver) Samuel Stafford. Govt Exec 4:51-53 Nov '72

Foggy raise thaws--retroactive longevity boosts near. Randy Shoemaker. AF Times 32:1+ Mar 8 '72

Job (Evaluation and) Pay (Review) Task Force finds bureaucracy resistant to changes. (Interview with Philip Oliver) Samuel Stafford. illus Govt Exec 4:27+ Sep '72

Military raises too high, illegal? (LtCol Edgar McKean, Ret, before House Armed Services sub-committee) AF Times 33:4 Nov 15 '72

October raise unlikely. Bob Horowitz. AF Times 33:1+ Sep 20 '72

Pay formulas challenged. AF Times 33:1+ Nov 22 '72

Pay hike brings strange results, mixed reviews. tab Armed Forces J 109:10-11 Feb '72

Pay hike: 6.7 to 7.2%. Randy Shoemaker. AF Times 33:1+ Sep 13 '72

Pay hikes proposed for NAF employees. Bob Towle. AF Times 32:1+ Jan 19 '72

Pay raise data juggled. Randy Shoemaker. AF Times 33:13 Sep 6 '72

Retirees on U.S. payroll: Pay of most is modest. tab AF Times 33:13 Dec 27 '72

Salary study will compare government, private rates. AF Times 32:4 Mar 8 '72

Senate studies raise for BX employees. AF Times 32:3 Mar 22 '72

7.21 percent pay raise OK'd--effective Jan 1. Bob Horowitz. AF Times 32:1+ Jan 5 '72

6.7 percent pay hike seen. Randy Shoemaker. AF Times 33:1+ Aug 23 '72

Statistics

CSC retiree study shows 77,655 on U.S. payroll. AF Times 33:1+ Dec 13 '72

Retired go west for federal jobs. AF Times 33:4 Dec 20 '72

Retirees on U.S. payroll: Pay of most is modest. tab AF Times 33:13 Dec 27 '72

CIVILIAN HEALTH AND MEDICAL PROGRAM OF THE UNIFORMED SERVICES see MedicareCLAIMSSee also

Court of Claims

CG rules on ruined home items. AF Times 32:18 Mar 15 '72

Claims policies liberalized for moving damage. Paul Collins and George Foster. AF Times 32:1+ May 17 '72

Treatment of claims against the government. Alexander Perry. Review 52:20+ Sep-Oct '72

CLARK, Albert P.

Dulag Luft recalled and revisited. Interview. LtGen A. P. Clark. por Aerosp Hist 19:62-65 Jun '72

USAFA--a matter of degrees. por AF Mag 55:120-121 May '72

CLASSIFICATION see Personnel Classification; Security Classification

CLAUSEWITZ, Karl von

Clausewitz in the 1970s--Rx for dilemma. Col George W. Smith. illus Mil Rev 52:85-93 Jul '72

CLAY, Lucius D., Jr

Airpower halts an invasion. (Based on interviews with Gens F. C. Weyand, L. D. Clay, Jr, G. W. Johnson, J. R. McGiffert and J. W. Vogt, Jr) Edgar Ulsamer. por AF Mag 55:60-68+ Sep '72

PACAF--air superiority in the Pacific. por AF Mag 55:68-72 May '72

CLEMENTS, William P., Jr

Defense Deputy offers 'balance.' AF Times 33:43 Dec 27 '72

CLIFTON, Chester V., Jr

MajGen Chester V. 'Ted' Clifton, Jr, Ret--adviser to presidents. por Armed Forces J 109:10 Apr '72

CLIMATEArctic Regions

Operations in the Arctic environment: Yesterday, today and tomorrow. Col Bernt Balchen, Ret. illus map AF Civil Engr 13:3-6 Nov '72

The winter of 61. illus Combat Crew 23:4-7+ Nov '72

CLOCKS AND WATCHES see Time Measurement

CLOSE AIR SUPPORT

The A-9A--Northrop's AX entry. J. Philip Geddes. illus Interavia 27:866-868 Aug '72

The A-X. LtCol William D. Neal, Jr. illus tab TAC Attack 12:16-18 Jul '72

The AXs are here. illus Interavia 27:581 Jun '72

AXs complete flight tests. AF Times 33:8 Dec 27 '72

Admiral (John S.) McCain (Jr) assesses the war in Southeast Asia. Interview. illus AF Mag 55: 52-53 Sep '72

An Air Force jet jockey tells us: How close is close? Maj William H. Rees. illus tab Infantry 62:32-38 Jul-Aug '72

Air support. MajGen A. Karikh. illus Soviet Mil Rev No. 9:19-22 Sep '72



CLOSE AIR SUPPORT - Continued

Air support of the land battle in the late 1970s. (Comment on article by AVM P. de L. LeCheminant, Army Quarterly, July 1970; Royal United Service Institution Journal, Sep 1970) WgComdr Duncan Allison. illus RUSI J for Def Studies 117:21-27+ Jun '72; Condensation. Royal Air Forces Qtr 12: 175-183 Autumn '72

All weather CAS (Close Air Support): Fact or fancy. Maj K. C. Bateman. illus MarCor Gaz 56:41-43 Jun '72

CAS: The hardware and the mission. Claude Witze. illus AF Mag 55:17-18+ May '72

Close air support panel in 5-4 split. Armed Forces J 109:28 Jul '72

Flyoff to test 2 fighters in A-X race. illus AF Times 32:5 Apr 26 '72

Harriers in Germany. David Dorrell. illus Air Pict 33:452-453 Dec '71

The Northrop A-9A close support aircraft. illus Intl Def Rev pt 1, Northrop's A-9A contender. 5:370-371 Aug '72

(Operation) Blue Ax. illus tab MarCor Gaz 56:27-29 May '72

Prime tactical lessons of the Vietnam War--three innovations. LtCol John R. Galvin. illus Army 22:16-20 Mar '72

Rotors for the Rangers. LtCol Thomas J. Shaughnessy. illus Army 22:38-42 May '72

Senate favors competition for close air support systems. AF Times 32:46 Aug 2 '72

USMC/DOD/V/STOL Exercise (Versatile Warrior) validates AV-8A Harrier goals. Brooke Nihart. illus Armed Forces J 109:52-53 May '72

CLOTHING see

Clothing, Protective	Space Clothing
Personal Equipment	Uniforms

CLOTHING, PROTECTIVESee also

Helmets  
Pressure Suits

Efficiency and effectiveness of different water cooled suits--a review. E. Shvartz. illus tabs Aerosp Med 43:488-491 May '72

Life support aids/equipment. TIG Brief 24:3-4 Jun 16 '72

Marines and mountains. Norman Kingsley. illus MarCor Gaz 56:32-36 Mar '72

CLOTHING ALLOWANCES

Uniform clothing allowances for airmen. TIG Brief 24:7 Oct 13 '72

CLOUDS

On a clear day you can see forever, but... (Effect of clouds on tactical air power) 1stLt Rich Johnson. illus tabs USAF TAWC Rev 3:20-28 Apr '72

CLUBSSee also

Aero Clubs  
Officers Clubs  
Servicemen's Clubs

COAST GUARD

Coast Guard anti-pollution engineering. CAPT Robert D. Parkhurst. illus Mil Envr 64:309-311 Sep-Oct '72

The coral carrier (Tern Island, French Frigate Shoals). A. Binion Amerson, Jr. illus maps Mil Engr 64:33-36 Jan-Feb '72

New super icebreaker with a Sunday punch (W-10). H. R. Kaplan. illus Sea Power 15:28-31 May '72

Non-local boy (VADM Thomas R. Sargent III) makes good. H. R. Kaplan. illus Sea Power 15:34-35 Oct '72

Office of Engineering, Coast Guard. illus Mil Engr 64:20-21 Jan-Feb '72

Oil spill--Coast Guard ADAPTS (Air Delivered Anti-Pollution Transfer System). illus Govt Exec 4:21 Mar '72

The U.S. Coast Guard--armed and ready. LCDR R. F. Bennett. illus US Nav Inst Proc 98:35-42 Jun '72

Watching the Soviet fleet: The Coast Guard's sea-going diplomats are trying to protect the rights of U.S. fishermen. Andrew Schneider. illus AF Times, Family sup:22-24+ Oct 18 '72

COAST GUARD ACADEMY, NEW LONDON, CONN

Cadets get insurance coverage. AF Times 32:50 Jul 5 '72

COBERLY, Theodore S.

Electronic warfare: Essential element of deterrence. Interview. BrigGen Theodore S. Coberly. por AF Mag 55:36-41 Jul '72

CODE OF CONDUCT see Prisoners of War--Code of ConductCOEXISTENCE see International RelationsCOIN AIRCRAFT

Aviator support to a counterinsurgency war. Col DeLyle G. Redmond. illus USA Avn Dig 18:8-11+ Jun '72

COLD

Roofs for cold regions. Haldor W. C. Aamot and David Schaefer. illus Mil Engr 64:158-160 May-Jun '72

Physiological Effects

A candle and a plan. Maj Samuel A. Munch, Jr. (Reprinted from Combat Crew, Nov 1971) illus tab Approach 17:26-29 Jan '72

Cold sea survival. James H. Veghte. illus tabs Aerosp Med 43:506-511 May '72

Effect of altitude acclimatization and simultaneous acclimatization to altitude and cold on critical flicker frequency at 11,000 ft altitude in man. C.S. Nair and others. illus tabs Aerosp Med 43:1097-1100 Oct '72

Prediction of tolerance in cold water and life raft exposures. John F. Hall, Jr. illus tab Aerosp Med 43:281-286 Mar '72

Search and rescue service in Denmark with special reference to accidental hypothermia. K. Jessen and John O. Hagelsten. tab Aerosp Med 43:787-791 Jul '72



COLD WAR

The transformation of U.S. foreign policy. Herman S. Wolk. illus AF Mag 55:74-80 Sep '72

History

The transformation of U.S. foreign policy. Herman S. Wolk. illus AF Mag 55:74-80 Sep '72

COLD WEATHER OPERATIONS

A candle and a plan. Maj Samuel A. Munch, Jr. (Reprinted from Combat Crew, Nov 1971) illus tab Approach 17:26-29 Jan '72

Cold sea survival. James H. Veghte. illus tabs Aerosp Med 43:506-511 May '72

Cold weather operations. TIG Brief 24:3-4 Dec 8 '72

In the winter of '70. (Servicing F-4's for 43d TFS at Elmendorf AFB, Alas) Sgt Dave Cole. illus Airman 16:20-22 Apr '72

Journey to the ice. Robert P. Everett. illus Airman 16:24-28 Mar '72

Land of the red-gold sun. Dave Cole. illus Airman 16:2-6 Mar '72

MAC-man's guide to winter: Pack a snow suit with your swim suit. illus MAC Flyer 19:4-8 Oct '72

The protest at (Exercise) Snowy Beach. CDR Ralph W. Blanchard. illus US Nav Inst Proc 98:118-122 Jul '72

Search and rescue service in Denmark with special reference to accidental hypothermia. K. Jessen and John O. Hagelsten. tab Aerosp Med 43:787-791 Jul '72

The "show" goes on. (Importance of the Aerospace Ground Equipment section at Elmendorf AFB, Alas) Sgt Steve Gordenier. illus Airman 16:10-11 Dec '72

That frigid old man is here again. Ted Kontos. illus USA Avn Dig 18:36-39 Dec '72

When winter comes. illus Approach 18:26-30 Nov '72

The winter of 61. illus Combat Crew 23:4-7+ Nov '72

Winter wisdom. illus Aerosp Safety 28:2-4 Nov '72

Study and Teaching

It's an adventure! (ARNG training) illus Natl Guardsman 26:10-16 Apr '72

COLE, Ray M.

MAC transportation procurement policies. MajGen Ray M. Cole. por Def Trans J 28:28-32 Jan-Feb '72

COLLISIONS AT SEA

The O-5 (SS-66) is down! CAPT Julius Grigore, Jr. illus US Nav Inst Proc 98:54-60 Feb '72

When am I committed to collision? LT Jotham M. Myers. illus US Nav Inst Proc 98:41-50 Dec '72

COLORMilitary Applications

Chromatic climatology comprehension. Maj Richard L. Wing. Combat Crew 23:28-30 Jun '72

Put a little color in your weather. Maj R. L. Wing. MAC Flyer 19:8-10 Jun '72

COMBAT

The future of close combat. MajGen George B. Pickett, Jr. illus Infantry 62:6-10 Sep-Oct '72

Some "actualities" of war. Hugh L'Etang. illus RUSI J for Def Studies 117:64-68 Mar '72; Mil Rev 52:37-95 Aug '72

Study and Teaching

Simulation: The bridge between theory and practice. Capt Albert R. Amos, Jr. illus Infantry 62:12-15 Mar-Apr '72

Testing

Triple threat team--TRICAP puts it all together. SP4 Chuck Noland. illus Soldiers 27:5-9 May '72

COMBAT CONTROL CENTERS

This term is used to include organizations whose missions are like: Tactical Air Control Centers, Tactical Control Centers, Combat Operations Centers, Combat Information Centers.

Army

Army tactical data systems. (Address, AFCEA, Washington, June 7, 1972) BrigGen Albert B. Crawford, Jr. illus Signal 27:17-19 Sep '72

COMBAT EVALUATION

See also subdivision under specific subjects, e. g.,

Airplanes, Military--Combat Evaluation

COMBAT INFORMATION see Intelligence, Military

COMBAT READINESS

See also

Operational Readiness

Adjutants General (Assoc, Annual Conference, Reno, Nev, May 1972) focus on people and readiness. illus Natl Guardsman 26:22-25 Jun '72

Air Guard gets workout over Turkey (in NATO Exercise Deep Furrow). LtCol Theodore C. Wagner. illus Natl Guardsman 26:8-9 Jan '72

Combat-ready status ordered for Reserves. Ed Gates. AF Times 32:1+ Mar 1 '72

Is Pentagon Reserve planning realistic? BrigGen Lynn D. Smith, Ret. illus Army 22:12-17 Feb '72

Keeps 'em hopping--testing troop readiness (in) Gallant Hand 72. SP4 Chuck Noland. illus Soldiers 27:18-25 Jun '72

The Marines still need "a few good men" such as those in the organized MCR. Gen Robert E. Cushman, Jr. illus Officer 48:12-13 Sep '72

Mutual support. illus Natl Guardsman 26:2-9 Feb '72

Naval Reserve's role in the total Force. ADM Elmo R. Zumwalt, Jr. illus Officer 48:11+ Jul '72

Preparedness is the key to a good mechanized Infantry force. 2dLt John Merwin. illus Infantry 62:6-9 Jan-Feb '72

Study reports Reserves best buy for readiness. AF Times 32:8 Jan 26 '72

Tac Eval! (Combat exercise to test readiness) Lt Guy T. Ryder. illus Soldiers 27:34-38 Jan '72

Tactical fighter squadron "Top Gun" competition. Capt Alexander H. C. Harwick. illus USAF Ftr Wpns Rev No. 4:14-17 Winter '71

COMBAT READINESS - Continued

Toward real Reserve readiness: The case for the cadre system. Gen Hamilton H. Howze, Ret. Army 22:12-16 Aug '72

What's "big" in '72? (Adjutants General Assoc and NGAUS Executive Council meetings, Washington, Jan 1972) illus Natl Guardsman 26:22-25+ Feb '72

Study and Teaching

Fighting experience and combat training. Gen I. Pavlovsky. illus Soviet Mil Rev No. 5:2-5 May '72

Training for the test (to determine practicality of various approaches to boosting combat-readiness of the whole force--Active, Guard and Reserve). illus Natl Guardsman 26:2-8+ Jun '72

COMBAT SURVEILLANCE see SurveillanceCOMBINED FORCES

This term applies to the forces among two or more allied countries. For information on forces of one country only see Joint Forces.

See also

North American Air Defense Command

COMBINED OPERATIONS

This term applies to operations among two or more allied countries. For operations of one country only see Joint Operations.

See also specific exercises and/or operation by name

Air Guard gets workout over Turkey (in NATO Exercise Deep Furrow). LtCol Theodore C. Wagner. illus Natl Guardsman 26:8-9 Jan '72

The bears were over the mountain as the Marines landed in Norway. (Exercise Strong Express) John G. Norris. illus Sea Power 15:18-21 Nov '72

(Exercise) Strong Express--multi-lingual NATO Force speaks softly but... Thomas C. Steinhauser. illus Armed Forces J 110:58-61 Nov '72

Exercises Brave Shield, North Forty 1 and Deep Furrow. illus Air Reservist 24:8-10 Mar '72

Exercises Deep Furrow, Creek Party, Polar Cap, Rivet Switch. illus Air Reservist 24:6-7 Nov '72

New strategy for NATO's northern flank--(Exercise) Strong Express features U.S. amphibious forces. John G. Norris. illus maps Sea Power 15:12-17 Dec '72

Overland from Alaska to Cape Horn. (Combined British, U.S., Colombian, and Panamanian Armed Forces expedition on the Pan American Highway) F. C. Livingstone. illus maps Mil Engr 64:333-337 Sep-Oct '72

Planning large-scale combined airmobile operations. Maj Michael J. Morin. illus Infantry 62:19-23 Nov-Dec '72

Score: TOW/Cobras 20, armor 1. (Helicopters vs tanks in joint U.S., Canadian, West German test) Brooke Nihart. illus tab Armed Forces J 110:20 Sep '72

Soviet command and control. John Erickson. (Condensed from chapter 4 of the author's Soviet Military Power) illus Mil Rev 52:41-50 Jan '72

The Soviet Marines. Charles G. Pritchard. illus US Nav Inst Proc 98:18-30 Mar '72

Spanning the Danube. illus Army Log 4:24-25 Mar-Apr '72

COMBINED OPERATIONS - Continued

"Strong Express"--massive multi-nation tri-Service exercise on NATO's northern flank. illus Air Pict 34:432-433 Nov '72

T hour plus 2 1/2. (U.S. Forces in Western Europe) Jac Weller. illus Review 51:17-19+ Jan-Feb '72

Tac Eval! (Combat exercise to test readiness) Lt Guy T. Ryder. illus Soldiers 27:34-38 Jan '72

COMMANDSee alsoLeadership

The acute need for simulation command training. Col Wesley W. Yale, Ret. illus Mil Rev 52:38-44 Dec '72

The art of command. (Lecture, Naval War College) ADM Arleigh A. Burke, Ret. illus Nav War Col Rev 24:24-28 Jun '72

The art of troop control (in Korsun-Shevchenkovsky operation) ColGen G. Vorontsov. illus map Soviet Mil Rev No. 7:36-39 Jul '72

Chances at command greatest for pilots. tab AF Times 33:10 Dec 6 '72

Drugs--dilemma of a commander. LtCol William J. Hilsman. Persp in Def Mgt, pp 75-77, Spring '72

The 1100: He flies not; neither does he sink. CAPT Andrew G. Nelson. illus US Nav Inst Proc 98:44-48 Mar '72

Future high command. GpCapt I. M. Pedder. (Condensed from Royal Air Forces Quarterly, Spring 1972 and Summer 1972) Mil Rev 52:14-24 Dec '72

The gods and the big battalions. Capt I. D. P. Thorne. illus RUSI J for Def Studies 117:58-60 Jun '72

Hide and slide: Why can't a Marine Corps headquarters unit be something special? Capt Robert Campbell. illus MarCor Gaz 56:37-40 Mar '72

IG's advice for commanders. (Address, 94th General Conference, NGAUS, San Francisco, Sep 12, 1972) LtGen Louis L. Wilson, Jr. AF Plcy Ltr for Comdrs: Sup No. 12:15-23 Dec '72

In human relations the best course is frankness. MajGen A. S. Newman, Ret. illus Army 22:52-53 May '72

Leadership. (Address, Army War College, Oct 1971) Gen Omar N. Bradley. illus Parameters 1:2-8 Winter '72

Leadership in the 1970's. MajGen George B. Pickett, Jr. illus Army 22:22-28 Mar '72

Meeting engagement of a battalion. Col V. Petrukhin. illus Soviet Mil Rev No. 5:15-17 May '72

Military leadership at the threshold of the 21st century. GpCapt I. M. Pedder. Royal Air Forces Qtr pt 1, 12:16-21 Spring '72; pt 2, 12:77-84 Summer '72

Pilots vs navigators: Roles won't change. Bruce Callander. AF Times 33:13 Nov 1 '72

Race relations in the Air Force. (Address, Dept of Army Equal Opportunity Conference, Fort Benning Ga, Sep 28, 1972) LtCol Earl W. Renfro. AF Plcy Ltr for Comdrs: Sup No. 12:25-29 Dec '72

A self-fulfilling prophecy. Lawrence R. Crane. Infantry 62:52-53 Nov-Dec '72

So you want good training. MajGen Edward Bautz, Jr. illus Armor 81:8-11 Nov-Dec '72



COMMAND - Continued

Stiffening the backbone. (Improving squadron leadership) Col Josiah A. Wallace, Jr. illus tabs Army 22:28-31 Jun '72

COMMAND AND CONTROL SYSTEMS

See also

Combat Control Centers  
National Military Command System

Automation--are you ready for it? Maj Henry Gaude. illus charts USAF TAWC Rev 3:4-9 Apr '72

Bertrand Stewart Prize Essay, 1971. (Command and control systems) LtCol A. C. Elcomb. Army Qtr 102:159-172 Jan '72

Brigade: Casualty of technology? Maj Paul J. Kirkegaard. illus Infantry 62:46-48 Jan-Feb '72

Command and control improvements on the front burner. Thomas C. Steinhauser. illus Armed Forces J 109:46-47 May '72

Command and control (in Marine amphibious operations). Majs T. J. Lapham and R. L. Lary, Jr. illus MarCor Gaz 56:38-42 May '72

Command and control is of fundamental importance. Interview. MajGen Lee M. Paschall. illus AF Mag 55:42-46 Jul '72

Command and control means teamwork and responsibility. Col Carl J. Weinmeister III. illus Def Mgt J 8:40-48 Apr '72

Communications-electronics: The incomparable team. (Address, AFCEA, Washington, June 6, 1972) Irving K. Kessler. illus Signal 26:14-17 Jul-Aug '72

Computerized automation and the combat leader. Maj Joseph F. Paone. illus Infantry 62:52-54 May-Jun '72

The elements of air control. MarCor Gaz 56:54 Jun '72

Force comm(unications) in Vietnam. Maj Blaine D. King. illus MarCor Gaz 56:35-38 Feb '72

The impact of computers on military management and command. LtCol F. Boonham. illus chart RUSI J for Def Studies 117:29-36 Jun '72

Improved tactical control capabilities through 407L. Capt Alan Troyer. illus USAF TAWC Qtr Rpt 3: 14-19+ Jan '72

(Live demonstration of TACFIRE system) Signal 26: 89-90 Jul-Aug '72

The many faces and interfaces of SACCS (SAC Automated Command Control System). David W. Townsend, Jr. illus Signal 26:8-13 Apr '72

National policy and its effects on Defense communications and electronics. (Address, AFCEA, Washington, June 8, 1972) Eberhardt Rehtin. illus Signal 26:22-24 Jul-Aug '72

The next decade: Communications-electronics in the DOD. BrigGen George A. Pappas, Jr. Signal 26: 16-18+ Jan-Feb '72

Salvation in the information age. MajGen Paul R. Stoney. Signal 26:6-11 Mar '72

Soviet command and control. John Erickson. (Condensed from chapter 4 of the author's Soviet Military Power) illus Mil Rev 52:41-50 Jan '72

Soviet military cybernetics: Social and political problems of troop control. David Holloway. Royal United Svcs Inst for Def Studies J 116:59-64 Dec '71

COMMAND AND CONTROL SYSTEMS - Continued

Tactical system on way (at Electronic Systems Division). AF Times 32:42 Jul 19 '72

The use of computers in command, control and information systems. Comdr Alan Sugden. Army Qtr 102:463-467 Jul '72

What hath SACCS (SAC Automated Command Control System) wrought. David W. Townsend, Jr. illus Combat Crew 23:10-13 Jan '72

Study and Teaching

An approach to aerial command and control training. Lt John G. Schleicher. illus USA Avn Dig 18:20-21 Dec '72

COMMAND AND GENERAL STAFF COLLEGE

Delusions of grandeur: Career assignment patterns and goals of active duty majors in USACGSC class of 1971-72. Maj Phillip W. Mock. tabs illus Mil Rev 52:50-65 Oct '72

United States Army Command and General Staff College regular course student profile. Table only. Mil Rev 52:101 Nov '72

Curricula

The new CGSC curriculum. Ivan J. Birrer. illus tabs Mil Rev 52:20-26 Jun '72

COMMAND POSTS

AWACS slated for testing. illus AF Times 32:24 Feb 16 '72

Command and control improvements on the front burner. Thomas C. Steinhauser. illus Armed Forces J 109:46-47 May '72

COMMANDING OFFICERS

ADC begins new program--commanders attend course. AF Times 32:51 Feb 16 '72

An approach to aerial command and control training. Lt John G. Schleicher. illus USA Avn Dig 18:20-21 Dec '72

As a company commander sees it. SP5 Dave Clayton. illus Soldiers 27:28-31 Apr '72

Aviation safety in combat--an appraisal of the experiences of Army Aviation unit commanders in RVN. illus tabs USA Avn Dig 18:36-45+ Feb '72

"Battle-mindedness." CAPT R. A. Bowling. illus US Nav Inst Proc 98:41-45 Oct '72

Chances at command greatest for pilots. tab AF Times 33:10 Dec 6 '72

The commander and creative approach. Adm Viktor Sysoyev. illus Soviet Mil Rev No. 1:2-4 Jan '72

Commander's call. TIG Brief 24:1 May 5 '72

Commander's personal example. ColGen Y. Ivanovsky. illus Soviet Mil Rev No. 3:2-5 Mar '72

Commander's responsibility for leave administration. TIG Brief 24:17 Dec 22 '72

Haircut duty trims for SP. AF Times 32:3 Jan 5 '72

Integrity, tough situations, and you. Maj Dick Wing. (Adapted from Airscoop, Oct 1971) illus MAC Flyer 19:3-7 Sep '72

Let's reduce the people problem. TIG Brief 24:1 Oct 27 '72

The man in command (Col Thomas E. Clifford). Sgt Charles T. Keene. illus Airman 16:16-19 Dec '72



COMMANDING OFFICERS - Continued

Pay attention to all functional areas. (Commanders should devote more time to support functions) TIG Brief 24:1 Aug 18 '72

The principles of war revisited. Roger A. Beaumont. *illus Mil Rev* 52:63-69 Dec '72

Role and place of the commander in battle. Col I. Vorobyov. *Soviet Mil Rev No.* 2:15-17 Feb '72

Senior and junior rank relationships. Col A. Pyatkov. *Soviet Mil Rev No.* 1:5-7 Jan '72

Tunnel vision management. TIG Brief 24:1 Mar 10 '72

Yamashita, Nuremberg and Vietnam: Command responsibility reappraised. LtCol Franklin A. Hart. *Nav War Col Rev* 25:19-36 Sep-Oct '72

COMMANDOS

See also  
Rangers

COMMANDS

See also specific commands by name, e.g., Strategic Air Command

(Charts showing structure of the Office of the Secy of the AF, the USAF Command and Staff, the Deputy Chiefs of Staff, the major commands and the separate operating agencies as of April 15, 1972) *AF Mag* 55:54-55 May '72

Directories

Command and staff (1972 directory). *pors Army* 22:113-122 Oct '72

COMMENDATIONS see Awards, Decorations, etc

COMMERCE

See also  
Export and Import Trade

Russia

The need for a new U.S. policy toward Cuba in the 1970's. CAPT O.K. Hallam. *tabs Forum No.* 13:52-69 Fall '71; Adaptation. *Nav War Col Rev* 24:1-15 Mar '72

COMMERCE DEPT

The role of the Department of Commerce in telecommunications. Armig G. Kandoian. *illus Signal* 26:82-86 Jun '72

COMMISSARIESAir Force--U.S.

Air Force commissary store management. Earle M. McConn. *illus tab Review* 51:33+ May-Jun '72

Improved commissary stores. TIG Brief 24:19-20 Feb 11 '72

30 percent savings at commissary. Ed Gates. *AF Times* 32:1+ Jul 12 '72

Tourists due for shock in o'sea BXs. Bob Towle. *AF Times* 32:3 Mar 15 '72

Wives air housing, store gripes--no children in commissaries? (AF Career Motivation Conference, Maxwell AFB, Ala, June 5-9, 1972) Sue Toma. *AF Times* 33:8 Aug 23 '72

History

Air Force commissary store management. Earle M. McConn. *illus tab Review* 51:33+ May-Jun '72

COMMISSARIES - ContinuedArmed Forces--U.S.

Are commissaries really necessary? Thomas C. Steinhäuser. *Armed Forces J* 110:16 Nov '72

Commissary savings: 23 percent. *tab AF Times* 33:8 Sep 20 '72

Introspect '72: Commissaries--sutlers or supers. (Address, Commissary and Exchange Symposium, San Francisco, April 1972) Conrad T. Trent. *illus Review* 51:70-71+ May-Jun '72

Operating commissary stores. TIG Brief 24:11 Apr 21 '72

The PX price seesaw. Jim Sample. *tab AF Times, Family sup*:8 Aug 2 '72

Army--U.S.

Commissary users save \$62 monthly. *AF Times* 32:5 Mar 8 '72

More for your \$. Irene Crowe. *illus Soldiers* 27:34-37 May '72

COMMISSIONS, MILITARY

AFROTC and USAFA: Time for a change. Col Frederick C. Thayer, Ret. *illus AF Mag* 55:58-61 Jul '72

Bootstrap commissioning program. TIG Brief 24:21 Nov 24 '72

Med Service Corps offers commissions. *AF Times* 33:6 Oct 18 '72

Reg(ular) AF chances due six groups. *AF Times* 33:3 Nov 1 '72

Reg(ular) AF plan will continue. George Foster. *AF Times* 32:1+ Apr 26 '72

Rule (by U.S. District Court) on Reserves (commissions held by congressional members) appealed. *Officer* 48:11 Jan '72

Sandhurst and after. (Training toward commissions in the British Army) Editorial. *Army Qtr* 102:391-394 Jul '72

Six ways to a commission. *Air Reservist* 24:8-9 Jun '72

6,500 (Reservists) eye Reg(ular) AF. *AF Times* 32:1+ Jan 12 '72

Your road to success. (Airman and NCO commissioning programs) Maj Harvey Angel. *Airman* 16:35 Apr '72

Statistics

At Academy's 14th commencement--762 graduate. *illus AF Times* 32:5 Jun 21 '72

1,509 win AFROTC commissions. *AF Times* 32:47+ May 10 '72

567 officers chosen for Reg(ular) AF from component groups. *AF Times* 32:10 May 17 '72

OTS graduates 106, including 12 WAF. *AF Times* 32:22 Jun 28 '72

OTS graduates 120. *AF Times* 32:55 Jul 12 '72

OTS pins bars on 146. *AF Times* 32:55 May 31 '72

197 receive bars; ex-EM total 70. *AF Times* 32:41 Apr 26 '72

101 receive commissions in graduation from OTS--23 WAF in class. *AF Times* 32:19 Mar 22 '72

COMMISSIONS, MILITARY - ContinuedStatistics - Cont'd

- 1,684 win appointment as Regulars. AF Times 32:1+ Apr 19 '72
- 332 selected for Regular. AF Times 33:22 Aug 9 '72
- 312 win commissions. AF Times 33:17 Nov 8 '72
- 329 OTS graduates named for commissions. AF Times 32:37 Feb 23 '72
- 258 win commissions (from) OTS, Guard academy. AF Times 33:33 Dec 27 '72
- 248 win commissions at OTS. AF Times 32:19 Feb 2 '72
- 265 OTS graduates commissioned. AF Times 32:20 Jan 5 '72

COMMON MARKET see European Economic Community

COMMUNICATIONS (GENERAL)

- The answer man. (ADC's junior officer advisor) Capt Edward A. Orgon and SSgt Dale E. Lybarger. illus Airman 16:14-16 Apr '72
- As a company commander sees it. SP5 Dave Clayton. illus Soldiers 27:28-31 Apr '72
- The base inspector. TIG Brief 24:1-2 Feb 25 '72
- Bosses concern career panel--airmen-officers eye middlemen (at AF Career Motivation Conference, Maxwell AFB, Ala, June 5-9, 1972). AF Times 33:1+ Aug 23 '72
- Commander's call. TIG Brief 24:1 May 5 '72
- Communicating with the young. Col William R. Edgar, Ret. illus AF Mag 55:52-55 Oct '72
- Communication barrier: Stage fright. Kurt W. Ritter. USAF Instrs J 9:25-29 Spring '72
- ECM, the 'new breed.' TSgt John J. O'Shaughnessy. Elect Warfare 4:15-16 Spring '72
- Gestalt, awareness, and the ASI (Air Safety Investigator). (Adapted from address, International Convention of the Society of Air Safety Investigators, Los Angeles, Oct 26, 1971) David G. Holmes. illus USA Avn Dig 18:46-50 Jan '72
- Initiated messages impact on feasibility. AF Times 33:13 Nov 8 '72
- The problems with words. Capt Jimmie L. Coombes. USAF Instrs J 9:66-68 Spring '72
- The role of the communications media in a democratic society. (Lecture, Naval War College, 1971?) Barry Zorthian. illus Nav War Col Rev 24:1-7 Feb '72
- Solutions from experience--the V Corps 'Operation Bootstrap.' PFC John G. Kelso, illus Army 22:40-44 Jul '72
- Successful failure (in communication). CMSgt William H. Turley. USAF Instrs J 9:51-53 Winter '71-'72
- Tell it as it is (with effective communication). Argus Tresidder. illus MarCor Gaz 56:32-35 Apr '72
- What government is doing about its communications gap. (Interview with White House Director of Communications, Herbert G. Klein) C. W. Borklund. illus Govt Exec 4:37+ Oct '72

COMMUNICATIONS, MILITARYSee also

Intercommunications Systems  
Radio Communications

COMMUNICATIONS, MILITARY - Continued

- An Air Force professional--the base communications officer. MajGen Lee M. Paschall. illus Signal 26:48-50+ Jan-Feb '72
- Army tactical communications capabilities. MajGen George E. Pickett. illus Signal 26:29-32 Jan-Feb '72
- The Army Telecommunications Automation Program (ATCAP). (Address, AFCEA, Washington, June 6, 1972) LtGen George E. Pickett. Signal 26:33-35 Jul-Aug '72
- Command and control improvements on the front burner. Thomas C. Steinhauser. illus Armed Forces J 109:46-47 May '72
- The "common thread" requires uncommon talent. RADM Samuel L. Gravely, Jr. illus Signal 26:40-42 Jan-Feb '72
- Communications--electronics digest, monthly review of developments. Regular feature in issues of Signal
- Communications--electronics meteorological on-site maintenance program. TIG Brief 24:14 Feb 11 '72
- The communications explosion. (Address, Southeastern Signal Center and School, Fort Gordon, Ga, Dec 1971) BrigGen Harold W. Rice. Signal 26:29-31 Apr '72
- Conflict in communications. (Adapted from presentation, Defense Communications System Future Systems Concepts Symposium) LtCol John E. Sobraske. Signal 26:6-8 May '72
- Currency and use of Communications-Electronics (C-E) publications. TIG Brief 24:14 Oct 13 '72
- Digital systems in support of naval requirements. (Address, AFCEA, Washington, June 8, 1972) RADM Joseph E. Rice. Signal 26:53-54 Jul-Aug '72
- The evolution of amphibious air-ground landing force communications requirements. (Address, AFCEA, Washington, June 7, 1972) Col Edward J. Driscoll, Jr. illus Signal 27:20-22 Sep '72
- How the NMCC (National Military Command Center) works--a winning team. Thomas C. Steinhauser. illus Armed Forces J 109:48-49 May '72
- JCS's BrigGen George A. Pappas, Jr: "How do we all work together?" illus Govt Exec 4:24 Jan '72
- Mission--explore Diego Garcia. (Joint U.S. and U.K. communications facility) LCDR George S. Robinson, Jr. illus map Mil Engr 64:120-121 Mar-Apr '72

Navy communications envisions satellite-oriented future. Def Mgt J 8:48-49 Apr '72

The next decade: Communications--electronics in the DOD. BrigGen George A. Pappas, Jr. Signal 26:16-18+ Jan-Feb '72

USAF Maintenance Evaluation Program (MEP). TIG Brief 24:7 Nov 24 '72

History

Anatomy of defeat: France 1940. LtCol Frank E. Owens. illus Army 22:32-38 Dec '72

Security

Army communications in Vietnam. MajGen Thomas Matthew Rienzi. illus Signal 26:49-54+ Jun '72

Communications and today's Army. Gen W. C. Westmoreland. illus Signal 27:6-9 Sep '72



COMMUNICATIONS, MILITARY - ContinuedSecurity - Cont'd

Communications security assistance. TIG Brief 24:2 Oct 13 '72

COMmunications SECurity (COMSEC) officers. TIG Brief 24:17 May 19 '72

Compromise! Compromise! Compromise! (Communications security during tactical operations) Maj Eugene H. Grayson, Jr. illus USA Avn Dig 18: 16-17+ May '72

National policy and its effects on Defense communications and electronics. (Address, AFCEA, Washington, June 8, 1972) Eberhardt Rehtin. illus Signal 26:22-24 Jul-Aug '72

Study and Teaching

Accent on professionalism. (Communications-Electronics Systems Staff Officer Course, Keesler Technical Training Center) LtCol Harry D. Pettus. illus USAF Instrs J 9:62-65 Spring '72

COMMUNICATIONS EQUIPMENTSee also

Radar Equipment  
Radio Equipment

Communications equipment in kit form--Avco's answer to complexity. J. Philip Geddes. illus Intl Def Rev 5:306-307 Jun '72

Communications systems planning. Preston E. Law. tab Signal 27:22-26 Dec '72

Field artillery equipment. tabs illus Fld Artilleryman No. 50:4-49 Oct '72

The many faces and interfaces of SACCS (SAC Automated Command Control System). David W. Townsend, Jr. illus Signal 26:8-13 Apr '72

Processor managed communication systems. M. W. Caquelin. Signal 26:12-14 May '72

The WR-550 wide range receiving system. R. S. Finke. illus Signal 26:36-37 Apr '72

Maintenance and Repair

Systematic troubleshooting. Byron L. Bowman. Fld Artilleryman No. 49:48-50 Feb '72

USAF Maintenance Evaluation Program (MEP). TIG Brief 24:7 Nov 24 '72

Reliability

Communications and today's Army. Gen W. C. Westmoreland. illus Signal 27:6-9 Sep '72

National policy and its effects on Defense communications and electronics. (Address, AFCEA, Washington, June 8, 1972) Eberhardt Rehtin. illus Signal 26:22-24 Jul-Aug '72

COMMUNICATIONS SYSTEMSSee also

Distant Early Warning Systems  
Radio Communications  
Space Communications

Communications systems planning. Preston E. Law. tab Signal 27:22-26 Dec '72

National policy and its effects on Defense communications and electronics. (Address, AFCEA, Washington, June 8, 1972) Eberhardt Rehtin. illus Signal 26:22-24 Jul-Aug '72

COMMUNICATIONS SYSTEMS - Continued

(Olympic game communications coverage) Signal 26: 82 Jul-Aug '72

NATO

NATO Integrated Communications System (NICS). LtGen Walter E. Lotz, Jr. illus chart Signal 26:53-56 Jan-Feb '72

United States

Communications--a case for national priority. (Address, AFCEA, Washington, June 7, 1972) Robert C. Wilson. illus Signal 26:18-21 Jul-Aug '72

Communications-electronics: The incomparable team. (Address, AFCEA, Washington, June 6, 1972) Irving K. Kessler. illus Signal 26:14-17 Jul-Aug '72

Communications network for China visit. illus Signal 26:6-7 Apr '72

Defense telecommunications: Is the systems proliferation trend stoppable? Interview. Eberhardt Rehtin. illus Govt Exec 4:67-69 Jul '72

"Hello, this is Peking." (Communications arrangements for Pres Nixon's trip to China) Edward A. Gallagher and Joseph J. Gancie. illus Signal 26: 32-34+ Jun '72

The Interdepartment Radio Advisory Committee--fifty years of service in radiocommunication. Col William W. Plummer, Ret. Signal 26:25-27 May '72

The missile-system test sled--testing space hardware on the ground at 5580 miles per hour. illus Space World I-3-99:28-29 Mar '72

Processor managed communication systems. M. W. Caquelin. Signal 26:12-14 May '72

COMMUNICATIONS SYSTEMS, MILITARYSee also

Automatic Digital Network  
Automatic Voice Network  
Command and Control Systems  
Defense Communications System  
Sage  
Space Communications  
Tactical Communications  
Warning Systems

Iran

Land of the dogs. (Project Peace Ruby in Iran) illus Airman 16:2-4 Oct '72

Korea

'Commando Joe'--communications improve (in Korea). AF Times 32:32 Apr 26 '72

Korea (Republic)

(Project Peace Fortune--to expand and upgrade the Korean Air Force communications system) Signal 26:106 Jun '72

NATO

The NATO communications network. illus Intl Def Rev 5:363-365 Aug '72

New eyes and ears for NATO Forces--all set for electronics defence. H. George Franks. illus NATO's Fifteen Nations 17:86-92 Aug-Sep '72

United States

AF, Marines planning portable intelligence. AF Times 32:35 Feb 16 '72



## COMMUNICATIONS SYSTEMS, MILITARY - Continued

United States - Cont'd

Amphibious communications. Capt Rudy J. Wadle.  
MarCor Gaz 56:43-44 Apr '72

Clay T. Whitehead addresses AFCEAs (Washington,  
Feb 1972)--discusses proposed council for  
federal government communications. Signal  
26:10-11 May '72

Committing communications to the computer--Army  
Telecommunications Automation Program. Maj  
James W. Madden. illus Def Mgt J 8:50-54 Apr '72

Communications-electronics digest, monthly review  
of developments. Regular feature in issues of  
Signal

Communications--Navy gets the message (in Office  
of Command Support Programs). Interview. VADM  
Frederick J. Harlfinger II. illus Govt Exec 4:22  
Nov '72

The deterrent role of Strategic Forces. LtGen Glen  
W. Martin. illus Signal 26:18-20 Mar '72

Force comm(unications) in Vietnam. Maj Blaine D.  
King. illus MarCor Gaz 56:35-38 Feb '72

The MPDS--Message Processing and Distribution  
System: A special report from the Seventh Fleet.  
illus Signal 27:33-34 Dec '72

The many faces and interfaces of SACCS (SAC  
Automated Command Control System). David W.  
Townsend, Jr. illus Signal 26:8-13 Apr '72

Navy communications envisions satellite-oriented  
future. Def Mgt J 8:48-49 Apr '72

Quality assurance and control. Col Justice B. King.  
illus Signal 27:34+ Nov '72

The role of satellite communications in the DOD.  
BrigGen George A. Pappas, Jr and LtCol T. G.  
Adcock. illus Signal 27:25-27 Sep '72

TAC develops new intelligence system. AF Times  
32:6 Mar 29 '72

Use AUTOSEVOCOM for classified conversations.  
TIG Brief 24:7 Sep 29 '72

Study and Teaching

Tailored training package: An answer to the electron-  
ics avalanche. Edgar S. Wright. illus Signal 27:  
11-13 Nov '72

Vietnam (Republic)

See also

Project--Peace Fortune

COMMUNISM

Communist lessons learned. Maj Edward Vallenty. AU  
Rev 24:72-76 Nov-Dec '72

Violence as a political weapon. Maurice Latey. illus  
NATO's Fifteen Nations 16:65-71 Dec '71-Jan '72

History

Czechoslovakia, Ukrainian separatism and Soviet  
security. A.H.S. Candlin. map Army Qtr 102:209-  
220 Jan '72

Unbreakable union of socialist nations. illus Soviet  
Mil Rev No. 11:2-5 Nov '72

Africa

Should NATO worry about the scramble for Africa?  
illus map NATO's Fifteen Nations 17:16-23 Apr-  
May '72

## COMMUNISM - Continued

China (People's Republic)

Mao Tse-tung as strategist. Col William F. Long, Jr.  
illus Army 22:10-17 Apr '72

Far East

The military outlook in the Far East. (Address,  
AUSA Annual Meeting, Washington, Oct 13, 1971)  
ADM John S. McCain, Jr. AF Pley Ltr for  
Comdrs: Sup No. 1:16-28 Jan '72

Latin America

Soviet policy in Latin America. Maj Michael A. Nel-  
son. AU Rev 24:26-33 Nov-Dec '72

Russia

The dangerous decade. Col Richard F. Rosser. illus  
AF Mag 55:44-48 Jan '72

A new historical community of people--USSR 50 years.  
M. Tarasenko. illus Soviet Mil Rev No. 8:6-9  
Aug '72

Party political work in combat conditions. LtGen A.  
Pigurnov. Soviet Mil Rev No. 2:43-45 Feb '72

Reliable support of the commanders. Col D. Diye. Soviet  
Mil Rev No. 2:37-38 Feb '72

Soviet military cybernetics: Social and political  
problems of troop control. David Holloway.  
Royal United Svcs Inst for Def Studies J 116:59-64  
Dec '71

History

Historical Congress. (First All-Union Congress of  
Soviets, 1922) LtGen Yakub Chanyshv. Ret.  
illus Soviet Mil Rev No. 11:9-11 Nov '72

Lenin--founder of the USSR. B. Topornin. illus Soviet  
Mil Rev No. 11:6-8 Nov '72

The militant union in the making. Col N. Pankratov.  
illus Soviet Mil Rev No. 9:11-13 Sep '72

Study and Teaching

Propagandist. A. Morozov and G. Timokhin. illus  
Soviet Mil Rev No. 1:40-43 Jan '72

COMMUNITY COLLEGE OF THE AIR FORCE

AF (Community) College taking shape; tech school  
records of 600,000 being readied for computers.  
AF Times 32:22 Jun 14 '72

College chief (Col John L. Phipps) sells school (Com-  
munity College of the Air Force). AF Times 33:41  
Aug 23 '72

'College' credit set for tech courses. Bruce  
Callander. AF Times 32:1+ Mar 29 '72

Community College adds steam--transcript work  
about done; general catalog due in Spring. AF  
Times 33:17 Dec 20 '72

A Community College for the Air Force. Interview.  
LtGen George B. Simler. illus AF Mag 55:65-68  
Mar '72

Community College moves ahead. Airman 16:40  
Oct '72

Community College (of the AF) closes gap--crediting  
military schooling. Bruce Callander. AF Times  
33:13 Sep 27 '72

Community College of the Air Force. TIG Brief 24:16  
Jun 30 '72

COMMUNITY COLLEGE OF THE AIR FORCE - Cont'd

- Development of a Community College of the Air Force. Col John L. Phipps. USAF Instrs J 9:10-14 Spring '72
- Educating and training America's youth. (Address, Georgia Retired Officers Assoc Convention Banquet, Savannah, Oct 13, 1972) MajGen John R. Murphy. AF Ploy Ltr for Comdrs: Sup No. 12: 7-13 Dec '72
- Education aims--new Community College points way to changes. Bruce Callander. AF Times 33:13 Dec 20 '72
- Renaissance in ATC. Ted R. Sturm. illus Airman 16:8-12 Apr '72
- School (Community College of the Air Force) credits to come. AF Times 32:2 Jul 12 '72
- Schools go collegiate--training units change names. AF Times 33:19 Aug 16 '72
- Unit name changes--Air Training Command. TIG Brief 24:15 Sep 29 '72

COMMUNITY RELATIONS

Here is entered material on the relations between a base and its neighboring community.

- Aerial ambulance (MAST). Jack L. Finger. illus USA Avn Dig 18:45-47 Nov '72
- Air base-community planning; Randolph AFB, (Tex) Subregion Thoroughfare Study Group leads the way. Michael L. Donovan. illus map AF Civil Eng 13:2-5 May '72
- CHAP school (in Bellevue, Nebr)--a community lends a hand. illus AF Mag 55:23 Oct '72
- Did or did not the Army do in the dune? A case history in inaccurate journalism. Robert Ashby. illus AF Times, Family sup:6-7+ Feb 2 '72
- The Guard's strong, helping hands. illus Natl Guardsman 26:10-14+ Jan '72
- Home front action. (Domestic Action project at Dobbins Heights, NC) SP4 Chuck Noland. illus Soldiers 27:23-26 May '72
- International community relations is every soldier's business. Infantry 62:18-19 May-Jun '72
- Kirtland (AFB, NM) aids Navajo tribe (in "Project Thunderbird"). Lt Jim O'Rourke. AF Times 32:34 May 24 '72
- Die Luftwaffe--cactus country good citizens. Col Barney Oldfield, Ret. illus NATO's Fifteen Nations 17:94-99 Aug-Sep '72
- The Marine Corps community team (in Albuquerque, NM). Capt Allen E. Weh. illus MarCor Gaz 56: 30-33 Oct '72
- Mass inoculations. (Domestic Action Program of the Air Force Reservists, Lowell, Mass) Lou Osborne. illus Air Reservist 24:6-7 Feb '72
- Night of the raiders. (Conservation and wildlife management program, Wildlife Office, Elmendorf AFB, Alas) Dave Cole. illus Airman 16:37-39 Mar '72
- The other Air Force. (Various projects by AF people to aid their communities) Capt Gary A. Guimond. Airman 16:22 May '72
- Planning disasters. illus AF Times 33:31 Sep 6 '72

Pollution control pushed (in new AFR 9-1). AF Times 32:6 Mar 15 '72

COMMUNITY RELATIONS - Continued

- Presidential (Inter-Agency Economic Adjustment) Committee eases community adjustment when defense dollars disappear--federal resources match problem area. Melvin R. Laird. Def Mgt J 8:66-70 Oct '72
- Project MAST (Military Assistance for Safety in Traffic). 1stLt Ron Sconyers. illus MAC Flyer 19:22-23 Jun '72
- Public affairs activities. (Public information and community relations) tabs AF Ploy Ltr for Comdrs: Sup No. 10:24-28 Oct '72
- Stop, look, then listen (before you buy a home near the base). Ed Blair. illus Airman 16:12-15 Dec '72
- "They know who we are!" Small-town Guard unit's (1st Magazine Platoon, 169th Ordnance Co) good deeds for the community are returned in kind, and pay off in high esprit. illus Natl Guardsman 26: 28-29 Jan '72
- Toward a concept of military domestic action. LtCol William R. Corson, Ret. illus Nav War Col Rev 24:15-26 Apr '72

COMPASSES

- IFR on pitot-static only? Maj Walter Burkett. (Reprinted from Aircscoop, Feb 1970) MAC Flyer 19:10-11 May '72

COMPRESSORS

- Design for stall. E. L. Venturini. illus Approach 17:20-23 Jun '72

COMPTROLLERS

- The Air Force--25 years later. Col J. Richard Brown. illus tabs AF Compt 6:10-12 Oct '72
- (American Society of Military Comptrollers National Symposium, Bolling AFB, DC, May 17, 1972) Armed Forces Compt 17: entire issue Summer '72
- The 'complete' comptroller. Capt Stanley D. Griffis. illus tabs AF Compt 6:14-17 Jul '72
- (Comptroller accomplishments in aiding the Defense effort) (Address, American Society of Military Comptrollers National Banquet, Bolling AFB, DC, May 17, 1972) Robert C. Moot. illus Armed Forces Compt 17:38-41 Summer '72
- Comptroller activities at major commands: Comptrollership--Southern style. (Air Forces Southern Command) Col F. L. Patrone. illus AF Compt 6:30-33 Jan '72
- Comptroller activities at major commands: Hq Air Force Logistics Command. Steve Canton. chart illus tab AF Compt 6:2-8 Apr '72
- Comptroller activities at major commands: Hq Air Force Systems Command. Steve Canton. illus tab AF Compt 6:2-8 Jul '72
- Comptroller activities at major commands: Hq Strategic Air Command. Steve Canton. tabs AF Compt 6:2-5 Oct '72
- Comptroller of the Air Force objectives, operating principles, and policies. TIG Brief 24:18 Nov 10 '72
- Comptroller on (budget) justification problems. Interview. Robert C. Moot. illus Govt Exec 4:17-18 May '72

Financial management digest. Regular feature in some issues of Armed Forces Comptroller



Management analysis today. Col Lucius Theus. chart illus AF Compt 6:24-27 Apr '72

Management consultant--role of the comptroller. E. J. Komyati. illus AF Compt 6:12-13+ Jul '72

Meet BrigGen James A. Bailey. illus AF Compt 6:9 Apr '72

Meet BrigGen Larry M. Killpack. illus AF Compt 6:12 Jan '72

Meet BrigGen Louis O. Alder, DCS/Comptroller, AFSC. illus AF Compt 6:1+ Jul '72

New base comptrollers--blueprint for action. Maj Douglas A. Frost. illus AF Compt 6:10-11 Apr '72

Our job in comptrollership. Editorial. LtGen Duward L. Crow. illus AF Compt 6:1 Apr '72

Personnel outlook for the comptroller family. Col Edmund W. Edmonds, Jr. illus tabs AF Compt 6:11+ Jan '72

Ten characteristics of a professional comptroller. Maj John J. Williams. illus Armed Forces Compt 17:28-29+ Fall '72

Thoughts on comptrollership. (From remarks, American Society of Military Comptrollers West Coast Regional Symposium, San Diego, Calif, Feb 10-11, 1972) BrigGen E. S. Wittbrodt, Ret. illus Armed Forces Compt 17:28-33 Spring '72

Worldwide Comptroller Executive Session, Patrick AFB, Fla, March 30-31, 1972. illus AF Compt 6:20-24 Jul '72

#### Directories

Comptroller of the Air Force. Chart only. AF Compt 6:13 Jan '72

The comptroller organization--worldwide. Chart only. AF Compt 6:18-19 Jul '72

#### Education and Training

ATC's program for better educated civilians. Glen R. Barnard. illus tabs AF Compt 6:16-17+ Apr '72

DOD-wide career program for comptrollership/financial management. Douglas J. Blatt. illus Armed Forces Compt 17:4-7+ Fall '72

Progress report from your Department of Comptroller Training. Col Donald F. Trautwein. illus AF Compt 6:18-20 Jan '72

#### COMPUTER PROGRAMMING

Computer flight plan. Capt Phil Budd. tabs illus MAC Flyer 19:16-20 Jan '72

Data Systems Design Center: Designing, developing and maintaining the "systems for decisions." Capt James R. Legg. illus Contact 26:2-5 Mar-Apr '72

Elements of EW simulation--programming the RF (Radio Frequency) emitter. Thomas F. Curry. illus tabs Elect Warfare 4:26+ Convention Issue '72

Minicomputers and microprogramming. (Address, AFCEA, Washington, June 6, 1972) MajGen Lee M. Paschall. Signal 26:35-36 Jul-Aug '72

Problems of programmers. (Interviews with Clem Gibson, Phil Budd, Howard King, Lawrence Roberts, Robert L. Chartrand, and MajGens Frederick E. Morris, Jr and Henry C. Schrader) Scot MacDonald. illus Govt Exec 4:70-72 Jul '72

The computer industry abroad. Carl Hammer. Persp in Def Mgt, pp 61-68, Spring '72

Computer R&D: A field of explosive potential and growth. illus Govt Exec 4:48-49+ Sep '72

Computer seen coding language for translation. AIC Jerry W. Crowe. AF Times 33:40 Dec 6 '72

Power to the computer. Capt Michael E. Alverson. illus tabs AF Compt 6:14-15 Jan '72

Students 'teach' computer. (Thesis projects for AFIT) AF Times 32:36 Jul 19 '72

Trends in communications and data handling systems in the DCS. (Address, AFCEA, Washington, June 6, 1972) BrigGen Lewis S. Norman, Jr. Signal 26:37-39 Jul-Aug '72

What the computer can do for you--a cram course for managers. LtCol John J. McFaull, Jr. illus AF Compt 6:26-28 Jan '72

#### Aeronautical Applications

Command and control is of fundamental importance. Interview. MajGen Lee M. Paschall. illus AF Mag 55:42-46 Jul '72

Computer flight plan. Capt Phil Budd. tabs illus MAC Flyer 19:16-20 Jan '72

How computers will fly tomorrow's airplanes. Interview. BrigGen K. R. Chapman. illus AF Mag 55:28-35 Jul '72

Military pilot training--time for improvement. CDR W. A. Speer, Ret and LtCol J. B. Kusewitt, Ret. illus US Nav Inst Proc 98:31-36 Mar '72

Modern-day test pilots enjoy computer safety. AF Times 33:22 Sep 13 '72

The rubber duck. (TAC's Tactical Air Control and Reporting Center) Sgt Cal Deal. illus Airman 16:44-46 Aug '72

Shaw (AFB, SC) deploys (tactical air) control system for first time. AF Times 32:24 Mar 29 '72

#### Astronautical Applications

See Computers--Space Flight Applications

#### Communication Applications

The Army Telecommunications Automation Program (ATCAP). (Address, AFCEA, Washington, June 6, 1972) LtGen George E. Pickett. Signal 26:33-35 Jul-Aug '72

Call signs. illus TAC Attack 12:4-6 Jun '72

Committing communications to the computer--Army Telecommunications Automation Program. Maj James W. Madden. illus Def Mgt J 8:50-54 Apr '72

Communications-electronics: The incomparable team. (Address, AFCEA, Washington, June 6, 1972) Irving K. Kessler. illus Signal 26:14-17 Jul-Aug '72

Does Minnesota have a Rosetta stone for data communications? (Unique off-the-shelf universal interface from Comtex, Inc) E. Gary Miller. Govt Exec 4:24-25+ Aug '72

Evolution not revolution--electronic data communications. James M. Osborne. illus Signal 26:77-78+ Jun '72

Impact of technology trends on future communication and information handling systems. (Address, AFCEA, Washington, June 6, 1972) Carmen Palermo. illus Signal 26:39-40 Jul-Aug '72



COMPUTERS - ContinuedCommunication Applications - Cont'd

- The MPDS--Message Processing and Distribution System: A special report from the Seventh Fleet. illus Signal 27:33-34 Dec '72
- The mad world of data communications. Zakar V. Zakarian. illus Govt Exec 4:50-54 Jul '72
- The many faces and interfaces of SACCS (SAC Automated Command Control System). David W. Townsend, Jr. illus Signal 26:8-13 Apr '72
- Minicomputers and microprogramming. (Address, AFCEA, Washington, June 6, 1972) MajGen Lee M. Paschall. Signal 26:35-36 Jul-Aug '72
- Modeling Air Force tactical communications. Emile A. Babineau. illus Signal 27:8-11 Dec '72
- National policy and its effects on Defense communications and electronics. (Address, AFCEA, Washington, June 8, 1972) Eberhardt Rehtin. illus Signal 26:22-24 Jul-Aug '72
- The next decade: Communications-electronics in the DOD. BrigGen George A. Pappas, Jr. Signal 26:16-18+ Jan-Feb '72
- (Olympic game communications coverage) Signal 26:82 Jul-Aug '72
- Processor managed communication systems. M.W. Caquelin. Signal 26:12-14 May '72
- Salvation in the information age. MajGen Paul R. Stoney. Signal 26:6-11 Mar '72
- Visibility of performance: A requisite for communication system management. LtGen Gordon T. Gould, Jr. illus Signal 26:6-10 Jan-Feb '72
- What's happening in teleprocessing systems? BrigGer Harold R. Johnson, Ret. illus Signal 26:21-24+ Jan-Feb '72

Design

- Centralizing the DOD data systems design effort. LtCol Charley P. Gillespie. illus AF Compt 6:24-26 Oct '72

Educational Applications

- (Army's Computer Assisted Instruction--CAI) Signal 27:62 Nov '72
- Board selection for AFIT to end. (New data bank will determine eligibility) AF Times 32:3 Apr 12 '72
- CAPE (Computer Assisted Performance Evaluation): A first for the Navy. LCDR Tommy W. Goad. illus US Nav Inst Proc 98:119-120 Feb '72
- Education and training in electronic warfare. Navigator 19, No. 3:21-24 '72
- Essential subjects training. MGySgt R. J. Reynolds and GySgt R. R. Sorensen. illus MarCor Gaz 56:23-29 Jul '72
- ISD (Instructional Systems Development). Maj Leonard P. Zych and Capt Richard I. Smith. illus Navigator 19, No. 3:11-13 '72
- Military pilot training--time for improvement. CDR W. A. Speer, Ret and LtCol J. B. Kusewitt, Ret. illus US Nav Inst Proc 98:31-36 Mar '72
- T-43A airborne navigator trainer. illus Navigator 19, No. 3:14-20 '72

COMPUTERS - ContinuedEngineering Applications

- BEAMS, the multi-purpose tool. Capt Herbert L. Hollar. illus tabs AF Civil Engr 13:22-25+ Feb '72
- Better engineering using the computer. 1stLt Robert R. Costigan. illus AF Civil Engr 13:19-21 Nov '72
- The computer in design engineering. William D. Ashton and Lee V. Swanson. Mil Engr 64:81-82 Mar-Apr '72
- Defense Documentation Center maintains depository of R&D reports. Robert H. Rea. illus Def Ind Bul 8:32-35 Winter '72
- Does Minnesota have a Rosetta stone for data communications? (Unique off-the-shelf universal interface from Comtex, Inc) E. Gary Miller. Govt Exec 4:24-25+ Aug '72
- How government could get more out of its computer suppliers. (Interview with Christy A. Christopher) C. W. Borklund. chart Govt Exec 4:58-59 Jul '72

Legal Applications

- Computer applications of the LITE system. Jack Sieburg. illus tabs AF JAG L Rev 14:14-24 Winter '72
- History of LITE. Thomas B. Wilkins. illus AF JAG L Rev 14:7-9 Winter '72
- LITE developmental efforts and activities. Jack Sieburg. AF JAG L Rev 14:35-37 Winter '72
- LITE in review--two aspects. LtCol Rose L. Volino. illus AF JAG L Rev 14:25-34 Winter '72
- LITE--Legal Information Thru Electronics. illus tabs AF JAG L Rev 14: entire issue Winter '72
- "Legal Information Thru Electronics" (LITE) library. TIG Brief 24:8 May 19 '72
- A look in the future of computerized research. Carl S. Mallow, Jr. illus AF JAG L Rev 14:38-52 Winter '72

- Problems between FBI, states and LEAA. E. Drake Lundell. Jr. illus Govt Exec 4:44+ Nov '72
- Use of LITE--a common responsibility. Edward G. Duckworth. illus AF JAG L Rev 14:10-13 Winter '72

Military Applications

- The AF Phase II data automation program ... a new approach. Maj Charles A. Newton. illus AF Compt 6:20-23 Oct '72
- AFAPC's AMPS (Accrued Military Pay System) 360/65 system. Capt Charles L. Martin, Jr. illus tabs AF Compt 6:8-10 Jan '72
- AFRes personnel system update set by July '73. AF Times 33:62 Aug 9 '72
- ALS (Advanced Logistics System)--a revolution in logistics. (Interview with Gordon Ray) illus Govt Exec 4:33-34 Jul '72
- Accident/incident information retrieval. TIG Brief 24:11 Jul 28 '72
- Army's handling of software. chart illus Govt Exec 4:62-63+ Apr '72
- Army's MajGen (Robert L.) Fair: The next target is SAILS (Standard Army Intermediate Logistics System). illus Govt Exec 4:40 Jul '72

Military Applications - Cont'd

- Automated procurement. TIG Brief 24:14 Jun 16 '72
- Automation--a key to supply management. LtCol J. Murray. illus Review 51:39-40 May-Jun '72
- Automation--are you ready for it? Maj Henry Gaude. illus charts USAF TAWC Rev 3:4-9 Apr '72
- Base stock leveling and stock control computer simulations. H. C. Hunt. illus Review 51:49+ May-Jun '72
- Bertrand Stewart Prize Essay, 1971. (Command and control systems) LtCol A. C. Elcomb. Army Qtr 102:159-172 Jan '72
- CAPE (Computer Assisted Performance Evaluation): A first for the Navy. LCDR Tommy W. Goad. illus US Nav Inst Proc 98:119-120 Feb '72
- Centralizing the DOD data systems design effort. LtCol Charley P. Gillespie. illus AF Compt 6: 24-26 Oct '72
- Command and control is of fundamental importance. Interview. MajGen Lee M. Paschall. illus AF Mag 55:42-46 Jul '72
- Computer assisted maintenance management. Maj Harold L. Jones. illus tabs USA Avn Dig 18:26-29 Jan '72
- Computer instrumentation systems--a status report. John L. Minck. illus Elect Warfare 4:6-8+ Summer '72
- Computerized automation and the combat leader. Maj Joseph F. Paone. illus Infantry 62:52-54 May-Jun '72
- Computers for weapon systems and logistics. LtCol G. W. A. Pearce. illus Royal United Svcs Inst for Def Studies J 116:52-59 Dec '71
- Controlling the computer information explosion. Maj Merrell S. Beebe and Lt Anthony Pavone. illus Signal 27:40-41 Oct '72
- Elements of EW simulation--programming the RF (Radio Frequency) emitter. Thomas F. Curry. illus tabs Elect Warfare 4:26+ Convention Issue '72
- FLER-H, a hybrid tank fire control computer. E. Grambach. illus Intl Def Rev 5:77-78 Feb '72
- Force costing in a computer environment. Capt Sara L. Harvey. illus Armed Forces Compt 17:8-13+ Fall '72
- Foreign Technology Division: Unlocking the secrets of foreign aerospace technology. SSgt David Kaufmann. illus Contact 26:2-5 May-Jun '72
- The impact of computers on military management and command. LtCol F. Boonham. illus chart RUSI J for Def Studies 117:29-36 Jun '72
- Improved tactical control capabilities through 407L. Capt Alan Troyer. illus USAF TAWC Qtr Rpt 3: 14-19+ Jan '72
- Integrated weapon concept. H. E. Brown. illus Ordnance 57:144-146 Sep-Oct '72
- Letterkenny Depot cuts tank engine overhaul \$ by 65%. illus Armed Forces J 109:20-21 May '72
- Lifting the fog of the war. (Army Tactical Data Systems) Eric C. Ludvigsen. illus Army 22:30-34 Jul '72
- Operational analysis and the computer. SqLdr T. J. Nash. illus Hawk No. 33:39-43 Feb '72

Military Applications - Cont'd

- Photogrammetric instruments for the Army. Capt Clifford J. Mugnier. illus Mil Engr 64:39-43 Jan-Feb '72
- The SAFEREC program--what is it? illus Approach 18:4-5 Dec '72
- SPEEDEX (System-wide Project for Electronic Equipment at Depots, EXtended): AMC's information processing system for depots. Ralph R. Tappen. illus Army Log 4:16-20 Nov-Dec '72
- Salvation in the information age. MajGen Paul R. Stoney. Signal 26:6-11 Mar '72
- Supply conversion nears completion: Air Guard takes over Selfridge computer. Natl Guardsman 26:24 Jan '72
- TACFIRE--an innovation in artillery. George E. Miller. illus tab Armor 81:8-13 Jul-Aug '72
- Tactical data handling in the French Navy. illus Intl Def Rev 5:33-36 Feb '72
- The use of computers in command, control and information systems. Comdr Alan Sugden. Army Qtr 102:463-467 Jul '72
- The white room. (Super-computer administration) Capt Brian T. Ternamian. illus Airman 16:14-17 Mar '72

Navigational Applications

- AWADS (Adverse Weather Aerial Delivery System). Maj James Alexander. illus USAF TAWC Rev 3:10-14 Apr '72
- Automated navigation management in the cockpit. illus Interavia 27:258-259 Mar '72
- F-111 digital attack set. Capt Don Henry. illus (Also cutaway) USAF Ftr Wpns Rev, pp 24-32, Spring '72
- F-111 general navigation computer. Maj Jerry L. Wallace, Jr. illus map tab USAF Ftr Wpns Rev, pp 18-22, Summer '72
- Flying high (in C-141). Capt Michael B. Purcell. Navigator 19, No. 1:26-27 '72
- The quiet revolution in radio navigation. James J. Heigl, Jr. illus maps Signal 26:21-24 Mar '72

Personnel Applications

- AFRes personnel system update set by July '73. AF Times 33:62 Aug 9 '72
- Automating the naval officer selection and promotion system. CAPT G. H. Lewis. illus tabs Nav War Col Rev 25:37-53 Sep-Oct '72
- The melody is you. (USAF Advanced Personnel Data System) Capt Gary A. Guimond. illus Airman 16: 36-39 Apr '72

Scientific Applications

- Real-time environmental telemetry. Peter J. DeTroy. illus Signal 27:38-39 Oct '72

Simulation Programs

- Elmendorf's F-4 simulator provides real feel. Sgt Steve Gordenier. AF Times 32:25 Feb 16 '72
- ISD (Instructional Systems Development). Maj Leonard P. Zych and Capt Richard L. Smith. illus Navigator 19, No. 3:11-13 '72



COMPUTERS - ContinuedSimulation Programs - Cont'd

NCLT (Night Carrier Landing Trainer)--a complete approach. LCDR J.R.McDaniel. illus Approach 17:16-22 Feb '72

The UNTS (Undergraduate Navigator Training System) simulator. LtCol Henry W.Green, Jr and Capt Robert T.Azuma. illus Navigator 19, No. 3:7-9 '72

Space Flight Applications

(Advances in computer software help "see through" dust clouds of Mars.) Signal 26:110 Jun '72

Real time image enhancement. illus Space World I-8-104:4-7 Aug '72

Space navigation. illus Space World I-8-104:8-13 Aug '72

Study and Teaching

NBT (Navigator-Bombardier Training). Capt Roger E.Rosenberg. Navigator 19, No. 3:25-26 '72

Transportation Applications

The computer and MATCH (MTMTS Automated Transportation sCHeduler) are here to stay. Edward B.Spoonamore. illus Translog 3:15-16 Mar '72

One step beyond. (Special handling codes) illus Translog 3:6-7 Jul '72

Responsive physical distribution in a changing world. Edwin J.Pruszyński. illus Log Spectrum 6:24-31 Summer '72

Tracing is dead: Long live CISCO (Computerized Individual Shipment COntrol). Roger W.Gerling. illus Def Trans J 28:47-49 Mar-Apr '72

USAMC transportation moves ahead in automatic data processing. William C.Rabold. illus Translog 3:8-9 Dec '71-Jan '72

The use of computers in command, control and information systems. Comdr Alan Sugden. Army Qtr 102:463-467 Jul '72

CONDUCT, MILITARYSee also

Americans in Foreign Countries

Challenge likely on political rules. Randy Shoemaker. AF Times 33:3 Aug 16 '72

Justice charges ANGers. Len Famiglietti. AF Times 32:2 Mar 8 '72

Political activity by Air Force members. Contact 26: 16-17 Jul-Aug '72

Political limitations of military members and federal employees. TIG Brief 24:9-10 Oct 13 '72

Political taboos--time to change? Bruce Callander. AF Times 33:13 Aug 23 '72

CONELY, James H., Jr

Music and the military. Capt James Conely. illus AU Rev 23:68-72 Mar-Apr '72

CONFERENCES, ASTRONOMICAL

Signals from other worlds. (1st Soviet/U.S. Conference on Communications with Extra-Terrestrial Intelligence (CETI)) Boris Belitsky. illus Space-flight 14:17-19 Jan '72

CONFERENCES, COMMUNICATION

(26th Annual (AFCEA) Convention, Washington, June 6-8, 1972) illus Signal 26: entire issue Jul-Aug '72

CONFERENCES, MILITARY

AFA to air war, R&D issues. (Topics to be addressed and awards to be presented at AFA Convention, Washington, Sep 18-21, 1972) AF Times 33:15 Sep 13 '72

AFA's Policy Resolutions for 1972-73 (as adopted at 26th National Convention, Washington, Sep 19, 1972). AF Mag 55:12-13 Nov '72

Adjutants General (Assoc, Annual Conference, Reno, Nev, May 1972) focus on people and readiness. illus Natl Guardsman 26:22-25 Jun '72

Air controllers hold parley. AF Times 33:3 Nov 22 '72

The Air Force Association's 1972-73 Statement of Policy (as adopted at 26th National Convention, Washington, Sep 19, 1972). AF Mag 55:8-9 Nov '72

Aircrews lauded at AFA parley. AF Times 33:5 Oct 4 '72

Airman panel suggests 'people program' changes (at AF Career Motivation Conference, Maxwell AFB, Ala, June 5-9, 1972). AF Times 33:55 Aug 23 '72

(American Society of Military Comptrollers National Symposium, Bolling AFB, DC, May 17, 1972) Armed Forces Compt 17: entire issue Summer '72

Bosses concern career panel--airmen-officers eye middlemen (at AF Career Motivation Conference, Maxwell AFB, Ala, June 5-9, 1972). AF Times 33:1+ Aug 23 '72

The business side of the (AFA) Convention (Washington, Sep 17-21, 1972). Don Steele. illus AF Mag 55:76-81 Nov '72

Communication is a two-way street. (Report on ANG Commanders' Conference, Denver, 1971) illus Natl Guardsman 26:26-27+ Jan '72

(Excerpts from AUSA's Annual Meeting, Washington, Oct 9-11, 1972). Eric C.Ludvigsen. illus Army 22:37-42 Nov '72

The heat is on! (ANG wg and base commanders meet under auspices of the National Guard Bureau's Air Directorate) Natl Guardsman 26:28-29+ Apr '72

Life support conference (Kelley AFB, Tex, March 7-10, 1972). illus Aerosp Safety 28:12-13 May '72

Mini-AF to meet at job conference (Career Motivation Conference, Maxwell AFB, Ala, June 5-9 1972). AF Times 32:5 Apr 19 '72

The 1972 AFA National Convention (Washington, Sep 17-21, 1972)... a memorable salute to USAF's first quarter century. Edgar Ulsamer. illus AF Mag 55:54-61 Nov '72

'72 conclaves, highlights. (Summary of the NGAUS 94th General Conference, San Francisco, Sep 11-14, 1972 and AFA's 26th National Convention, Washington, Sep 17-21, 1972) illus Air Reservist 24:8-9 Nov '72

Officers want tighter trax criteria (at AF Career Motivation Conference, Maxwell AFB, Ala, June 5-9, 1972). AF Times 33:55 Aug 23 '72

Panels back many efforts (at AF Career Motivation Conference, Maxwell AFB, Ala, June 5-9, 1972). AF Times 33:8 Aug 23 '72



## CONFERENCES, MILITARY - Continued

- (Proceedings, 83d Annual Meeting, U. S. Armor Assoc, Fort Knox, Ky, May 18-20, 1972) illus Armor 81:32-62 Jul-Aug '72
- 'Pros' talk shop about motivation (at AF Career Motivation Conference, Maxwell AFB, Ala, June 5-9, 1972). AF Times 33:20 Aug 23 '72
- (ROA National Convention, Bal Harbour, Fla, June 27-30, 1972) illus Officer 48: entire issue Aug '72
- (Reports of ROA Mid-Winter Conference, Washington, Feb 24-25, 1972) illus Officer 48: entire issue Apr '72
- The San Francisco (94th) General Conference (of NGAUS, Sep 11-14, 1972). illus Natl Guardsman 26:2-7 Nov '72
- Security requirements for classified meetings. TIG Brief 24:12 Oct 27 '72
- Strength, training, readiness. (National Guard Bureau Army Directorate's Management Conference, Cheyenne, Wyo and Louisville, Ky, March 1972) Natl Guardsman 26:25-27 May '72
- Transportation in the Pacific Command. (From address, NDTA's 6th International Transportation Seminar-Pacific, Honolulu, Hawaii, Feb 7-9, 1972) illus Translog 3:9-10+ Apr '72
- Wives air housing, store gripes--no children in commissaries? (AF Career Motivation Conference, Maxwell AFB, Ala, June 5-9, 1972) Sue Toma. AF Times 33:8 Aug 23 '72
- Worldwide Comptroller Executive Session, Patrick AFB, Fla, March 30-31, 1972. illus AF Compt 6:20-24 Jul '72

## CONGRESS--U.S.

## See also

## Laws and Legislation

- AF pushes medical schooling. Paul Collins. AF Times 32:2 May 3 '72
- Air Force liaison with Congress via the constituent inquiry. Col Bernhard M. Ettenson. illus AF JAG L Rev 14:82-83 Spring '72
- All-vol report filed in House. Bob Horowitz. AF Times 32:1+ Jun 21 '72
- Bachelor units top building funds bid. Bob Towle. tab AF Times 32:19 Apr 5 '72
- Bill lets wife nab paycheck (for child support, alimony). Bob Horowitz. AF Times 32:1+ Jul 5 '72
- Bonus package nears House OK--'six pack' of benefits. Bob Horowitz. AF Times 33:3 Oct 18 '72
- Bonus plans die as Hill adjourns. Bob Horowitz. AF Times 33:1+ Nov 1 '72
- Bonus proposals win House unit approval. AF Times 33:1+ Oct 11 '72
- Bonuses ignored, cuts threatened. AF Times 32:4 Jul 26 '72
- Both Houses pushing for aid to POW/MIA. tab Armed Forces J 109:10 Jul '72
- Budgetary woes cause rank flap. Bruce Callander. AF Times 33:13 Aug 9 '72
- CAB wins on charter flights; rule modifications expected. Armed Forces J 109:11-12 Apr '72
- CAS: The hardware and the mission. Claude Witze. illus AF Mag 55:17-18+ May '72

## CONGRESS--U.S. - Continued

- Caduceus in uniform--Hebert military medical school offers quantum jump in training. Joseph Volz. illus Sea Power 15:13-18 Feb '72
- Cemetery shift foreseen--VA to take over control. AF Times 32:18 Mar 8 '72
- Close air support panel in 5-4 split. Armed Forces J 109:28 Jul '72
- Commissary users save \$62 monthly. AF Times 32:5 Mar 8 '72
- Committee approves wider VA (hospital) care. AF Times 32:5 May 10 '72
- Congress and presidential conflict: Foreign policy and NATO. Stanley L. Harrison. NATO's Fifteen Nations 17:83-87 Jun-Jul '72
- Congress and the new procurement wisdom. (Adapted from remarks, AF Worldwide Procurement Conference, Norton AFB, Calif, March 28, 1972) Herbert Roback. illus Def Mgt J 8:19-24 Jul '72
- Congress and the President: The current struggle to control national commitments and the war power. William B. Grant. Forum No.13:1-25 Fall '71
- Congress balks at equality for married servicewomen. AF Times 32:6 Feb 9 '72
- Congress gets bonus package. Bob Horowitz. AF Times 32:1+ Apr 5 '72
- Congress holds up bonus bill. Bob Horowitz. AF Times 32:1+ Jun 7 '72
- Congress in conflict--enlarging its role in defense and foreign policy. Stanley L. Harrison. illus Mil Rev 52:73-84 Jul '72
- Congress '72: A so-so year--1973 crucial. Bob Horowitz. AF Times 33:1+ Nov 8 '72
- Congress okays (Armed Forces) medical school. AF Times 33:4 Sep 20 '72
- Congress okays civilianized KP. AF Times 33:4 Oct 18 '72
- Congress probing Hawaii housing. AF Times 32:9 Mar 1 '72
- Congress scans Indian-chief ratio. AF Times 32:10 Apr 12 '72
- Congress wants VA to run cemeteries. Larry Carney. AF Times 32:9 May 24 '72
- Congressional action on FY 72 major weapons programs (in \$-millions). Table only. Armed Forces J 109:48-49 Mar '72
- Congressional investigations. Col Thomas McConnell. illus AF JAG L Rev 14:100-102 Spring '72
- Congressmen confused by TOPCAP plans. AF Times 32:18 Jul 19 '72
- Congressmen get juicy pensions. Ed Gates. AF Times 32:13 Mar 8 '72
- Conventional versus nuclear power for CVA-67: A study of Defense management. Allan A. Spitz. illus Nav War Col Rev 24:3-14 Apr '72
- DOD, veterans rebuff Kennedy on amnesty. Armed Forces J 109:12-13 Apr '72
- DOD would let retirees collect Reserve drill pay. Bob Horowitz. AF Times 32:17 Apr 26 '72
- Defense programs in spotlight as legislators begin election year session. James D. Hessman. Armed Forces J 109:38-39 Feb '72

## CONGRESS--U.S. - Continued

Denticare bid going to Hill. Randy Shoemaker. AF Times 33:1+ Nov 15 '72

Disability raise called too high (by VA). AF Times 32:43 Apr 12 '72

Disability raise still not settled--OKd by both Houses. AF Times 32:5 Jul 5 '72

Drug testing accuracy questioned by legislators. AF Times 33:48 Nov 1 '72

Drug testing approved. AF Times 32:6 Jun 28 '72

EM may face more work details. Bob Towle. AF Times 33:1+ Sep 27 '72

The EM's lobbyists on Capitol Hill. (Interview with Robert Nolan, Carl A. Bunn, and Donald Harlow) illus AF Times, Family sup:6-7+ Mar 1 '72

Elections, Congress, and the military. illus Sea Power 15:31-32 Dec '72

FY 73 audit trail through the 92d Congress. (Weapons procurement and R&D) Table only. Armed Forces J 110:16-17 Dec '72

Faith, patience, perserverance and the Tomcat (F-14). Larry Booda. illus Sea Power 15:13-18 Mar '72

Fly pay denials loom. Bruce Callander. AF Times 33:1+ Sep 27 '72

Formula hunt ties up recomp. Robert S. Horowitz. AF Times 33:17 Nov 1 '72

GI Bill boost nears. AF Times 32:6 Feb 9 '72

GI Bill increase gains in House. Larry Carney. AF Times 32:1+ Mar 8 '72

GIs fare well in Congress in '71--some matters still pending. Bob Horowitz. AF Times 32:13 Jan 12 '72

Grade bill gains; O-6 list stalls. George Foster. AF Times 32:1+ Jul 5 '72

Grade proliferation hit by appropriations unit. AF Times 33:20 Sep 27 '72

Grade relief delay costing selectees \$\$\$. George Foster. AF Times 32:1+ Jul 12 '72

Grade relief moves (through House). George Foster. tab AF Times 33:1+ Aug 9 '72

Grade relief passes; colonels list coming. George Foster. AF Times 33:1+ Oct 4 '72

Grade relief sent to Hill. AF Times 32:5 Apr 26 '72

Hardware cut by \$450 million. AF Times 32:4 May 10 '72

Health insurance groups approved by House unit. AF Times 33:2 Aug 30 '72

Hearings may spawn changes in (officers and enlisted) personnel. Bob Horowitz. AF Times 32:3 Jan 26 '72

Hébert takes heat on recomp--many however, share blame. Bob Horowitz. AF Times 32:10 Mar 8 '72

Hike logjam broken--Senate compromise OKs officer grade relief. Ed Gates. AF Times 33:1+ Oct 25 '72

Hill military committees shuffled. AF Times 33:5 Nov 22 '72

Home right urged (by pressure from Congress) for young airmen. AF Times 33:4 Oct 11 '72

House buys most DOD hardware budget requests. tabs Armed Forces J 109:24-25+ Jul '72

## CONGRESS--U.S.- Continued

House eyes training cost--full cost unknown. AF Times 32:10 Jul 19 '72

House panel approves plan to kill transatlantic flights. AF Times 32:1+ Feb 16 '72

House panel vetoes proposed sealift (procurement) shift. Armed Forces J 109:12-13 Jan '72

House passes POW/MIA benefit bills. AF Times 32:3 Aug 2 '72

House probes eye welfare fund cache. Bob Horowitz. AF Times 32:20 May 24 '72

House probes classification leaks. Armed Forces J 109:11 Feb '72

House probes (Gen John D.) Lavelle affair. illus AF Times 32:8 May 31 '72

House unit approves grade relief moves. George Foster. AF Times 32:1+ May 31 '72

House unit OKs hardware bill. Bob Horowitz. AF Times 32:3 Jun 28 '72

House unit probes (Gen John D.) Lavelle retirement (and other general officer activity is announced). AF Times 32:10 Jun 7 '72

House votes raise in school payments. AF Times 32:10 Mar 22 '72

In-fighting begins on military budget. Robert S. Horowitz. AF Times 32:5 Apr 19 '72

Inexpensive med-care bill killed. Randy Shoemaker. AF Times 33:4 Oct 4 '72

Is the United States paying too much for new weapons? Brooke Nihart. Armed Forces J 109:58-60 Jun '72

It's not in the bag, but chances for recomputation are looking better. Armed Forces J 110:12 Sep '72

Key personnel bills ready for Hill action. AF Times 32:13 Feb 2 '72

Lady stars give Hill the word. AF Times 32:11 Mar 22 '72

The Lavelle affair hearings delay 2 confirmations (Gen Creighton Abrams, ADM John D. McCain, Jr). AF Times 33:4 Sep 6 '72

Liberal auto, h(ouse)h(old) goods rules periled. Bob Horowitz. AF Times 33:1+ Sep 27 '72

Liberal GI Bill boost approved by Senate. Larry Carney. AF Times 33:4 Aug 16 '72

Lines lose bid to get larger slice of cargo. AF Times 32:4 Apr 12 '72

The lonely landslide. Claude Witze. illus AF Mag 55:16+ Dec '72

Look before you leap. (Arms-limitation agreements) Claude Witze. illus tab AF Mag 55:22-24+ Sep '72

MAC keeps 'private air line.' tab Armed Forces J 109:10-11 May '72

MBT-70 killed (by Congress). Armed Forces J 109:19 Feb '72

Med school scholarships near okay. Bob Horowitz. AF Times 32:3 Feb 2 '72

Medal of Honor may change name. Robert S. Horowitz. AF Times 33:6 Sep 20 '72

Military bills mark time as year wears on. Robert S. Horowitz. AF Times 32:21 Jul 19 '72

More recruiters nixed--lawmakers balk. Randy Shoemaker. AF Times 33:4 Sep 27 '72



## CONGRESS--U.S. - Continued

The new CVN: An all-purpose carrier. Lawrence Griswold. Armed Forces J 109:46-47 Feb '72

New Hill moves aid POWs--bills ease families' plight. AF Times 32:15 May 24 '72

Nixon recomp plan heads for Congress. AF Times 32:20 Mar 15 '72

No musical chairs in Congress. William S. Handleman. Armed Forces J 110:9 Dec '72

The numbers game, again. (Defense authorization bill for FY 1973) Claude Witze. AF Mag 55:12-13 Aug '72

O-6, 5 hikes stalled. George Foster and Ed Gates. AF Times 33:1+ Oct 18 '72

Odd coalition wins KP fight. AF Times 33:41 Oct 4 '72

(Office of) Legislative Liaison. MajGen John C. Giraud. illus AF JAG L Rev 14:80-81 Spring '72

On-base motel hearing reopens. AF Times 32:18 Jan 26 '72

Pay hike for disabled seen. AF Times 32:8 Mar 29 '72

Pending retirement legislation in a capsule. RADM Alexander Jackson, Jr. Officer 48:7 Jun '72

People programs, (procurement, RDT&E) slashed as House cuts appropriation bill. Armed Forces J 110:8+ Oct '72

'People' projects cut--hikes, travel, Reserves suffer in House vote. Ed Gates. AF Times 33:1+ Sep 27 '72

(The Pike Bill) Officer pt 1, Pike Subcommittee report explains bill establishing military survivors benefits plan. 47:22 Nov '71; pt 2, Senate now has for consideration new bill for survivors benefits as passed by the House 47:22-23 Dec '71; pt 3, Provisions for benefits for military survivors contained in bill awaiting Senate action. 48:22 Jan '72; pt 4, Dependent children would be provided for until 18 years of age, or 22. 48:11 Feb '72; pt 5, Civil Service retirement may be substituted. 48:9+ Mar '72; pt 6, Widow, children benefits. 48:12+ Apr '72

The President versus Congress on warmaking authority. Maj Jeffrey L. Scribner. illus Mil Rev 52:87-96 Apr '72

Price panel hears arguments on charter flight restrictions. James D. Hessman. Armed Forces J 109:10+ Jan '72

'Pro' flying changes eyed under congressional order. AF Times 32:20 Jan 19 '72

Procurement measure wins House approval. AF Times 32:51 Jul 19 '72

Procurement: The new wisdom. (Adapted from address, Worldwide AF Procurement Conference, March 1972) Herbert Roback. illus Govt Exec 4:14-15+ Jun '72

Proficiency flying cutback protested. AF Times 32:8 Jan 5 '72

Protection plan 'freed' (from Senate committee). Bob Horowitz. AF Times 33:1+ Aug 9 '72

Proxmire picks a sweet lemon (in criticizing Defense procurement). Claude Witze. illus AF Mag 55:8-11 Jan '72

ROA asks that strength of regulars not be jeopardized. (Excerpts from statement to House Appropriations Committee, 1972) Col John T. Carlton. Officer 48:20 Jun '72

## CONGRESS--U.S. - Continued

ROA testifies on retired pay provisions. (Testimony before a special subcommittee of HASC) Col John T. Carlton. illus Officer 48:7-8+ Dec '72

Rank overhaul urged--House report criticizes 'too many chiefs' trend. Bob Horowitz. AF Times 32:1+ Aug 2 '72

Recomp amendment raising to '72 pay scale passes Senate. RADM Alexander Jackson, Jr. illus Officer 48:6-7 Sep '72

Recomp-at-60 decision pending in (House-Senate) conference. AF Times 33:6 Aug 23 '72

Recomp headed for Senate vote? AF Times 33:4 Aug 9 '72

Recomp hearings promised. Bob Horowitz. AF Times 32:1+ May 17 '72

Recomp hope for '72 dies. Bob Horowitz. AF Times 32:1+ Feb 16 '72

Recomp issue heats up again. AF Times 33:8 Sep 27 '72

Recomputation issue in doubt. Brooke Nihart. Armed Forces J 109:54-55+ Jun '72

Recomputation plan dies in committee. AF Times 33:1+ Sep 20 '72

Regulars, Reserves: Why both 'active?' Bob Horowitz. AF Times 32:3 Jan 12 '72

Relief bills--rocky road. Bob Horowitz. AF Times 32:1+ Jul 26 '72

Reorganization along functional lines makes Congress' GAO more responsive. Interview. Elmer B. Staats. illus chart Govt Exec 4:54-57 Jun '72

Repercussions from the Vietnam mobilization decision. LtCol John D. Bruen. illus Parameters 2: 30-39 Spring-Summer '72

Retired pay threat aired. Randy Shoemaker. AF Times 32:1+ May 3 '72

Rising grades--more money. Bob Horowitz. AF Times 32:9 Mar 22 '72

Rule (by U.S. District Court) on Reserves (commitments held by congressional members) appealed. Officer 48:11 Jan '72

Rules tightened on auto shipment (and extra household goods). AF Times 33:4 Oct 25 '72

Ryan, Lavelle tell details of firing--questions remain. AF Times 32:3 Jun 28 '72

The SALT agreements. Editorial. John F. Loosbrock. AF Mag 55:6 Jul '72

SALT: In a wound, it hurts. Claude Witze. AF Mag 55:13-14 Oct '72

SRB (Selective Re-enlistment Bonus) proposal still pushed--despite Hill foes. AF Times 32:3 Mar 8 '72

Self-perpetuating PCS irks appropriations. Bob Horowitz. AF Times 33:59 Sep 27 '72

Senate bill limits use of war force (by President). AF Times 32:5 May 10 '72

Senate committee concerned over all-volunteer force target date. illus Officer 48:14 Sep '72

(Senate) committee OKs bill for widows. AF Times 33:20 Aug 23 '72



CONGRESS--U.S. - Continued

Senate favors competition for close air support systems. AF Times 32:46 Aug 2 '72

Senate OKs recomp--plan affects 60-year-olds. Bob Horowitz. AF Times 33:1+ Aug 16 '72

Senate rejects free o'sea mail. AF Times 32:6 Jul 5 '72

Senate seeks transfer of headquarters military. Bob Horowitz. AF Times 32:6 Aug 2 '72

Senate unit approves equal women's bill. AF Times 33:4 Oct 4 '72

Senate unit expands television in Europe. AF Times 33:51 Oct 18 '72

Senate unit OKs GI Bill increase. Larry Carney. AF Times 32:1+ Jul 5 '72

Senate unit votes to cut average strength 20,500. AF Times 32:3 Jul 12 '72

Senator Vance Hartke: The retirees' champion. Armed Forces J 110:12 Oct '72

Senators eye McGovern (proposed DOD) cuts. Robert S. Horowitz. AF Times 32:8 Jun 21 '72

Senators probe cemetery racket. AF Times 32:5 Mar 8 '72

Services asking Congress to ease flight-time bans. AF Times 32:11 Feb 9 '72

Shipment of autos debated. AF Times 33:9 Oct 18 '72

Solons choose sides as debate begins on FY 73 budget. James D. Hessman. tab Armed Forces J 109:32:33+ Mar '72

Sparks fly over widow bill delay. Bob Horowitz. AF Times 33:6 Aug 16 '72

Stennis eyes benefits cut. Bob Horowitz. AF Times 32:1+ Feb 23 '72

Supply system probes slated. AF Times 33:48 Aug 9 '72

Tax dollars sought for morale activities. AF Times 32:20 Jan 19 '72

The undesirable discharge: Administrative tool or back-door court? Capt Jack F. Lane, Jr. illus Army 22:19-23 Nov '72

Unspotted Cuban aircraft shows up U.S. air net. AF Times 32:2 Jan 26 '72

VA raps Congress in drug bill delay. Larry Phillips. AF Times 32:47 Jul 5 '72

Veterans' benefit bills get high priority. tab Armed Forces J 109:42+ Aug '72

Veterans drug help urged--Senate passes bill. AF Times 33:6 Sep 27 '72

Watchdog for Congress (General Accounting Office). Elmer B. Staats. Persp in Def Mgt, pp 29-37, Winter '71-'72

Weapons cutback defeated. AF Times 33:3 Aug 9 '72

Widow aid plan near enactment. Bob Horowitz. AF Times 33:1+ Aug 30 '72

Widow bill stalled--bottled in committee. AF Times 32:4 May 10 '72

Widows' bill passes. AF Times 33:1+ Sep 20 '72

CONGRESSIONAL MEDAL OF HONOR see Medal of Honor

CONGREVE, Sir William

Sir William Congreve: A bi-centennial memorial. Frank H. Winter. por Spaceflight 14:333-334 Sep '72

CONNALLY, John B., Jr

The economy and defense: Secretary Connally must see that the nation can afford to be secure. por Ordnance 56:458-459 May-Jun '72

CONNOLLY, Thomas F.

Of fighters and facts. VADM Thomas F. Connolly, Ret. por US Nav Inst Proc 98:113-116 Jul '72

CONSCIENTIOUS OBJECTORS

AF court setbacks top all of last year's losses. AF Times 33:55 Oct 4 '72

Academy grad COs win court round. George Foster. AF Times 33:1+ Aug 30 '72

CO bids, releases up. AF Times 33:3 Sep 6 '72

PFC (Joseph Parisi) wins round in objector case. AF Times 32:22 Mar 15 '72

CONSTITUTIONUnited States

(27th) amendment would alter role of women in service. AF Times 32:3 Apr 5 '72

CONSTRUCTION see Building and Construction

CONSULTANTS

Military consultant program. TIG Brief 24:18 Apr 21 '72

36 medical specialties--better use of consultants sought. AF Times 32:39 Apr 26 '72

CONSUMERS

Consumer Affairs warns about pitfalls of financing. AF Times 32:8 May 10 '72

You--the consumer. This man (Ralph Nadar) can't do it all. Barney Halloran. illus Soldiers 27:6-9 Jul '72

CONTAINER SHIPS see Ships, Transport

CONTAINERS

Container attitude. Maj Mark L. Maloney. illus Army Log 4:20-23+ Sep-Oct '72

Container interchange (rail/highway/maritime) agreement. Armour Armstrong. Def Trans J 28:25-27 Nov-Dec '72

Containerization in Thailand. George F. Collins. illus Def Trans J 28:54-58 May-Jun '72

Eleven ways to reduce packaging costs. Alan D. Henry. illus Army Log 4:8-11+ Jan-Feb '72

Has the Army kept pace with containerization? Col Fred P. Howland. illus Def Trans J 28:66-69 May-Jun '72

Inadequate packaging of registered mail. TIG Brief 24:14 Jan 28 '72

"Kontainerizatsia"--container transport in the Soviet Union today. Capt Jeffrey E. Barrie. illus map tab Def Trans J 28:60-64 May-Jun '72

Lufthansa's Boeing 747F operation. Interavia 27:657 Jun '72

CONTAINERS - Continued

Military packaging. Herbert Lapidus. Regular feature in issues of Review

Mobile logistics. Maj R. E. Lochner. illus MarCor Gaz 56:31-35 Jul '72

New developments in government packaging. Herbert M. Lapidus. Review 52:71+ Sep-Oct '72

New technology in maritime cargo systems. (Four articles adapted from panel discussion on Containerized Movement Systems) illus Def Trans J pt 1, Introduction. M. E. Parr. 28:34-36; pt 2, The cellular containership. A. J. Mayor. 28:36-38; pt 3, LASH. CAPT Adrian Spidle, Ret. 28:39-42; pt 4, Seabee. S. A. LeBlanc, Jr. 28:42-45 Jul-Aug '72

OSDOC (OffShore Discharge Of Container ships) II. illus Translog 3:8-10+ Oct '72

Rotterdam-Europoort--versatility increases efficiency. Frans Posthuma. illus tab Def Trans J 28:50-53 May-Jun '72

Tidy, tight, thrifty. (GSA's "shrink wrap" system) Jackson B. Weaver. illus Review 51:44-45 Jan-Feb '72

Unitization highlights. Regular feature in issues of Defense Transportation Journal

The versatile, vulnerable container ship. Col Frank B. Case. illus US Nav Inst Proc 98:48-53 Feb '72

The whopping cranes. LCDR James E. Huffman. illus Translog 3:2-5 May '72

CONTINENTAL AIR COMMAND see Headquarters Air Force Reserve

CONTINENTAL AIR DEFENSE COMMAND see North American Air Defense Command

CONTINENTAL ARMY COMMAND

Vast CONARC: Forger of men and new ideas. Gen Ralph E. Haines, Jr. illus Army 22:26-33 Oct '72

CONTRACTS, GOVERNMENTUnited StatesSee also

Defense Contract Administration Services

Advance procurement planning. Maj Ora L. Simpson, Jr. illus Review 51:32+ Mar-Apr '72

Air Force and the minority enterprise program. Donald E. Rellins. illus Review 52:35-36+ Jul-Aug '72

Air Force successful in small business and minority enterprise contract awards. TIG Brief 24:17 Sep 29 '72

Base contract maintenance. TIG Brief 24:21 Dec 22 '72

Boeing hydrofoil contract: Five, 25, or 100 PHMs? illus Armed Forces J 109:20 Jan '72

Boeing, McDonnell Douglas win AMST design contracts. illus AF Times 33:6 Nov 29 '72

Changes in Defense Department contract financing policy. Col Bruce S. Benefield. illus Def Ind Bul 8:18-20+ Winter '72

Competitive missile procurement. J. A. Muller. illus tab Army Log 4:8-11 Nov-Dec '72

Competitive prototyping--a development strategy. Col Delbert H. Strube. illus AU Rev 23:2-11 May-Jun '72

CONTRACTS, GOVERNMENT - ContinuedUnited States - Cont'd

Contract incentives spur design improvements. (Redesign of the Pershing missile system power unit) William W. Carpenter and Lowell J. Bates. illus Army Log 4:10-13 Jul-Aug '72

Contractor-furnished technical data. TIG Brief 24:5 Sep 15 '72

Contractors in the combat zone. Col Warren S. Everett, Ret. chart Mil Engr 64:37-38 Jan-Feb '72

Cost growth--evolution and analysis. Maj Richard S. Sapp. illus AF Compt 6:34-37 Jan '72

Cost/Schedule Control Systems Specification (C/SCSS)--implementation through operation. Norman G. Stamp. illus AF Compt 6:21-23 Jan '72

Defense procurement: "Directive 5000.1 is loaded." Barry J. Shillito. Govt Exec 4:58+ Apr '72

The F-14 deal: An inside story. G. A. Spangenberg. Armed Forces J 109:10 Jun '72

FMC and Lockheed will build ARSV (Armored Reconnaissance Scout Vehicle) prototypes. illus Armed Forces J 109:18 Jul '72

Faith, patience, perseverance and the Tomcat (F-14). Larry Booda. illus Sea Power 15:13-18 Mar '72

General Dynamics and Northrop to build lightweight fighter prototypes. illus tab Interavia 27:693 Jul '72

General Services Administration transport procurement. Malcolm J. Newbourne. chart illus Def Trans J 28:46-51 Jan-Feb '72

Honeywell defends military business--shift in attitude? Bruce Callander. AF Times 32:13 May 17 '72

Lightweight fighter prototype RFPs (Requests For Proposals) out. Armed Forces J 109:19 Feb '72

MINI-MAXID (Minimize Individually Negotiated Instruments-MAXimize Indefinite Delivery contracts) is here to stay. TIG Brief 24:12 May 5 '72

More and better housing for Air Force families. Thomas L. Lord. illus AF Civil Engr 13:10-11 Nov '72

'73 airlift contracts total \$131 million. AF Times 32:10 May 24 '72

The numbers game, again. (Defense authorization bill for FY 1973) Claude Witze. AF Mag 55:12-13 Aug '72

Packard blasts leaders (before a meeting of the National Security Industrial Association). Bob Schweitz. AF Times 32:2 Mar 22 '72

Partners in defense. (Address, 54th Annual Meeting, American Ordnance Assoc, Washington, May 11, 1972) Thomas V. Jones. Ordnance 57:40-42 Jul-Aug '72

Procurement standards issued by CASB (Cost Accounting Standards Board). Armed Forces J 109:19-20 Feb '72

Procurement: The new wisdom. (Adapted from address, Worldwide AF Procurement Conference, March 1972) Herbert Roback. illus Govt Exec 4:14-15+ Jun '72

Program management. Gen George S. Brown. illus Ordnance 57:54-58 Jul-Aug '72

Program Management Evaluations (PME). TIG Brief 24:6 Jun 30 '72



CONTRACTS, GOVERNMENT - ContinuedUnited States - Cont'd

Propellants, pressurants, and related items furnished by contractors. TIG Brief 24:19 Apr 7 '72

Quality control for military construction. Robert G. Liebhardt. Mil Engr 64:245-246 Jul-Aug '72

Review of the past brightens the future--C-5 problems aid B-1 development. Robert C. Seamans, Jr. illus Def Mgt J 8:60-65 Oct '72

"Should cost": A multimillion-dollar savings. Maj David N. Burt. illus AU Rev 23:38-44 Sep-Oct '72

Simulator contracted. AF Times 32:59 May 10 '72

Space shuttle main engine. David Dooling, Jr. illus Spaceflight 14:55-57 Feb '72

Space (shuttle) "plum" for North American Rockwell. illus Interavia 27:929 Sep '72

Status of ASPR (Armed Services Procurement Regulation) Committee cases (revised as of Sep 29, 1971). Def Ind Bul 8:36-39 Winter '72

The technical data package and competitive procurement. Kenneth Griffiths and George A. Kanzaki. Def Mgt J 8:17-21 Apr '72

Transition of acquisition policy leads to development of PIECOST (Probability of Incurring Estimated COST) system. Philip N. Whittaker. illus Def Mgt J 8:25-28 Jul '72

Transportation procurement and the Department of Defense. Vincent F. Caputo. illus Def Trans J 28:26-27 Jan-Feb '72

Treatment of claims against the government. Alexander Perry. Review 52:20+ Sep-Oct '72

27 years after V-J Day, Howard Hughes is still under contract to fly his "Spruce Goose"--but it may end up as a \$75-million taco stand. Benjamin F. Schemmer. illus tab Armed Forces J 110:50-54+ Nov '72

USAF maps RPV (Remotely-Piloted Vehicles) future. illus Armed Forces J 109:22 May '72

U.S. Postal Service transportation procurement. Frederick E. Batrus. illus tab Def Trans J 28:50-55 Mar-Apr '72

Value engineering: An approach to lowest cost, improved long-term profit. Bernard H. Hewitt. illus Def Ind Bul 8:27-28 Winter '72

Viet vets to get priority with federal contractors. AF Times 33:8 Nov 15 '72

Vietnam disposal agency. Capt Thomas M. Amenell. Review 51:21+ Jan-Feb '72

What price aerospace? LtGen L. C. Craigie, Ret. Ordnance 56:380-382 Mar-Apr '72

Costs

Effective defense spending: A report by the U.S. Chamber of Commerce. Army 22:38-42 Mar '72

Should cost technique--budget squeeze necessitates stretching the DOD dollar. 1stLt Robert Seiwert. illus Def Ind Bul 8:21-23+ Winter '72

CONTROL TOWERS

Help for the cab squad. (Improved control towers) John McKeeman. illus USA Avn Dig 18:20-21 Aug '72

CONVERSION see Equipment Conversion; Ships--Conversion

COOKE, David O.

DOD's David "Doc" Cooke: "There will always be organizational changes." Interview. por Govt Exec 4:30 Nov '72

COONTZ, Robert E.

The spirit of the Navy. RADM R.E. Coontz. por US Nav Inst Proc 98:83-84 Feb '72

COOPERATION see International Cooperation; Inter-service Cooperation

COPELAND, Silas L.

The NCO must grow with Army. SGM Silas L. Copeland. por Army 22:24-25 Oct '72

COPYRIGHT

The copyright dilemma in the classroom. But can it be done? LtCol William H. Carnahan. illus AU Rev 23:42-49 Jan-Feb '72

Copyright in the military realm of learning. LtCol William H. Carnahan. illus tab AF JAG L Rev 13:251-258 Fall '71

CORPORATIONS, INTERNATIONAL

Management goes multinational: The case of IBM. R. H. Fentruss. Persp in Def Mgt, pp 53-59, Spring '72

Strategic implications of the growth of multinational enterprise--an overlooked opportunity for application of the indirect approach. LtCol Richard A. Bowen. map Forum No. 15:18-33 Spring '72

CORRESPONDENCE, MILITARY

Stationery sizes--you wondered why? TIG Brief 24:21 May 5 '72

CORRESPONDENCE SCHOOLS AND COURSESSee also

Extension Course Institute

(Air War College audio cassette loan service for the Associate Programs and announcement of curricula additions) Air Reservist 24:3 May '72

Education and training--key to advancement in transportation and traffic management. Ronald J. Dettmer. illus Translog 3:8-9 Jul '72

NCOLP (NonCommissioned Officer Logistics Program) in an envelope. Gordon C. Bennett. illus Review 52:45-46+ Jul-Aug '72

VA frets at mail schools--dropouts, false data cited. Larry Carney. AF Times 32:8 Feb 23 '72

CORROSION

Don't write on me. illus Interceptor 14:14-15 Jun '72

The forgotten phenomenon. Maj Louis G. Jamar. illus AF Civil Engr 13:6-7 Aug '72

COSMIC RAYS

Apollo 16 cosmic ray research. illus Space World I-3-99:6-8 Mar '72

"Magnetic mirrors" in space: Cosmic rays--heralds of magnetic storms. Leonti Miroshnichenko. Space World I-2-98:39 Feb '72

Russian report. Space World I-3-99:37-42 Mar '72

COSMONAUTICS see Space Flight

COSMONAUTS see Astronauts



COST ACCOUNTING STANDARDS BOARD

Procurement standards issued by CASB (Cost Accounting Standards Board). Armed Forces J 109:19-20 Feb '72

COST ANALYSISSee also

Economic Analysis  
Output Measurement

Budget forecasting by regression analysis. Col F. L. Patrone. illus tabs Armed Forces Compt 17:22-26+ Winter '72

C/SCSC (Cost Schedule Control System Criteria): An example of how it can be used. Capt James P. Waters, Jr. illus AF Compt 6:28-30 Oct '72

The challenge of cost-to-produce. VADM Eli T. Reich. illus Def Mgt J 8:6-10 Apr '72

A defence audit. Brig Fraser Scott. illus Royal United Svcs Inst for Def Studies J 116:31-36 Dec '71

Defense dollars for deterrence: A matter of priorities. LtCol Edward Stellini. illus AU Rev 23:24-37 Sep-Oct '72

Economic realism: Basis for productivity growth. M. P. Venema. illus Def Mgt J 8:7-11 Oct '72

Force costing in a computer environment. Capt Sara L. Harvey. illus Armed Forces Compt 17:8-13+ Fall '72

Parametric cost estimating aids DOD in systems acquisition decisions. Donald W. Srull. Def Mgt J 8:2-5 Apr '72

"Should cost": A multimillion-dollar savings. Maj David N. Burt. illus AU Rev 23:38-44 Sep-Oct '72

Should cost technique--budget squeeze necessitates stretching the DOD dollar. 1stLt Robert Seiwert. illus Def Ind Bul 8:21-23+ Winter '72

Structuring data for analysis. Col John D. Morgan, Ret. illus tabs AF Compt 6:30-32+ Jul '72

Transition of acquisition policy leads to development of PIECOST (Probability of Incurring Estimated COST) system. Philip N. Whittaker. illus Def Mgt J 8:25-28 Jul '72

Terminology

Cost growth--evolution and analysis. Maj Richard S. Sapp. illus AF Compt 6:34-37 Jan '72

COST AND STANDARD OF LIVING

Commissary users save \$62 monthly. AF Times 32:5 Mar 8 '72

Downhill racing with the \$. Jim Sample. AF Times, Family sup:7 Aug 2 '72

Housing at Davis-Monthan (AFB, Ariz) eased for lower grades. illus AF Times 32:8 May 3 '72

Many o'sea allowances change--effect of shifting \$\$ rate. AF Times 33:23 Oct 18 '72

The PX price seesaw. Jim Sample. tab AF Times, Family sup:8 Aug 2 '72

Poverty in Europe. Jan Nugent. illus AF Times, Family sup:6+ Aug 2 '72

Retirees get July raise, new CPI (Consumer Price Index) target: 128.1. AF Times 32:10 Jun 7 '72

Retirement costs zooming. Thomas C. Steinhauser. Armed Forces J 110:20 Nov '72

COST CONTROL

C/SCSC (Cost Schedule Control System Criteria): An example of how it can be used. Capt James P. Waters, Jr. illus AF Compt 6:28-30 Oct '72

Controlling Defense costs. (Address, National Security Industrial Assoc Cost Symposium, Washington, Aug 1972) Kenneth Rush. Signal 27: 15-18 Dec '72

Cost management in Air Force Systems Command. George S. Brown. illus AF Compt 6: back cover Jan '72

Cost/Schedule Control Systems Specification (C/SCSS)--implementation through operation. Norman G. Stamp. illus AF Compt 6:21-23 Jan '72

Effective defense spending: A report by the U.S. Chamber of Commerce. Army 22:38-42 Mar '72

Program management. Gen George S. Brown. illus Ordnance 57:54-58 Jul-Aug '72

Putting the lid on weapons costs. John S. Foster, Jr. Persp in Def Mgt, pp 11-16, Autumn '72

Should cost technique--budget squeeze necessitates stretching the DOD dollar. 1stLt Robert Seiwert. illus Def Ind Bul 8:21-23+ Winter '72

COST EFFECTIVENESSSee also

Efficiency

Army studies cost effectiveness of communications satellites. A. A. Soobert and Zelma M. Harms. illus Signal 27:35-37 Dec '72

Cost-effective Reserve Forces. CDR James G. Abert. illus US Nav Inst Proc 98:52-61 Nov '72

Cost-effectiveness--a new look at an old problem. Brenda W. Atkinson. illus Armor 81:18-20 May-Jun '72

Defence standards--towards a cost-effective Air Force. Air Commodore C. T. Nance. illus Royal Air Forces Qtr 11:311-315 Winter '71

Simplicity in management. (Address, Armed Forces Management Luncheon, Wright-Patterson AFB, Ohio, June 21, 1972) LtGen James T. Stewart. Elect Warfare 4:4+ Summer '72

Study reports Reserves best buy for readiness. AF Times 32:8 Jan 26 '72

COST OF LIVING see Cost and Standard of LivingCOST REDUCTION PROGRAMSee also

Resources Conservation Program

COUNSELING

Counseling aids. MSgt Carl K. Waters. USAF Instrs J 9:67-69 Winter '71-'72

Counseling programs set for POW-MIA families. AF Times 33:10 Nov 22 '72

Counseling subjects added (in AFR 211-3). AF Times 32:45 Jul 26 '72

'People lab' sets ex-cadet analysis. AF Times 32:44 Mar 15 '72

Personal affairs reg (AFR 211-3) expands counseling. AF Times 32:26 Mar 15 '72

COUNSELING - ContinuedMethodology

An instructor's gold mine--group counseling. LtCol Joseph W. Coyle, Ret. USAF Instrs J 9:21-24 Spring '72

COUNTERINSURGENCYSee also

COIN Aircraft

Countermeasures against the urban guerrilla. Brig C. N. Barclay, Ret. illus Mil Rev 52:83-90 Jan '72

Israeli counter-guerrilla measures. Edgar O'Ballance. illus RUSI J for Def Studies 117:47-52 Mar '72

Quo vadis?--The Nixon doctrine and air power. Col Robert L. Gleason. illus AU Rev 23:45-56 Jul-Aug '72

Rx the insurgent: Locate, isolate, eradicate. LtCol John C. Gazlay. illus Armor pt 1, 80:38-43 Nov-Dec '71; pt 2, 81:46-52 Jan-Feb '72

U. S. tactics in Vietnam. LtCol Zeb B. Bradford, Jr. illus Mil Rev 52:63-76 Feb '72

COUNTERMEASURESSee also

Electronic Countermeasures

The science of riposte. Fraser Scott. illus RUSI J for Def Studies 117:27-29+ Mar '72

COURAGE

Endure! The battle catalyst. MajGen A. S. Newman, Ret. illus Infantry 62:44-48 Mar-Apr '72

COURIER SERVICE

ANG Creek Guardlift (for military travelers in Europe). illus map Air Reservist 24:8-9 Feb '72

COURT OF CLAIMS

Army Reservist (LtCol Victor J. Montilla) loses retired pay bid. AF Times 32:40 May 17 '72

Court denies back-pay bid (in) O'Callahan case. AF Times 32:22 Jan 26 '72

Court honors claim over 'major' loss (to Clairborne J. Duhon, Jr.). AF Times 33:55 Sep 20 '72

19 years later, disability upped--Captain (Bernard G. Rieth) wins legal fight. Ed Gates. AF Times 33:8 Aug 9 '72

Recomp lawsuit looks dead. AF Times 33:4 Nov 22 '72

U.S. court decides 'civilian' airman (William Bates) to get back pay. Bruce Covill. AF Times 32:8 Feb 9 '72

COURT OF MILITARY APPEALS

Airman (Frankie L. Williams) wins appeal ruling. AF Times 32:3 Apr 26 '72

Appeals Court frees officer (Capt Donald J. Gagnon) in ruling on secret data. AF Times 32:10 Feb 23 '72

Appeals Court splits on right to speedy trial. AF Times 32:19 Jan 19 '72

Appeals Court upsets 2 guilty pleas (1stLt Norman W. Timmins and PFC Donald Thompson). AF Times 33:22 Aug 16 '72

Conviction of sailor (Roger L. Priest) for disloyalty upheld. AF Times 33:17 Sep 6 '72

COURT OF MILITARY APPEALS - Continued

Desertion convictions reversed. AF Times 32:36 Feb 9 '72

Drug conviction (of Maj Delbert W. Fleener) upheld. AF Times 32:22 Mar 15 '72

Drug court-martial (of Amn Keith Lidle) reversed (and other Court of Military Appeals decisions announced). AF Times 33:44 Aug 9 '72

Judges (on Court of Military Appeals) split on right to counsel. AF Times 32:21 Jun 28 '72

Lie detector dealt new blow. AF Times 32:10 May 24 '72

Military Court load grows. Bruce Covill. AF Times 33:13 Oct 11 '72

Multiplicity in the military. Maj Roger A. Jones. illus AF JAG L Rev 13:232-250 Fall '71

'O'Callahan' upheld in bad-check case (of Lt Robert M. Wolfson and in two other cases). AF Times 33:4 Sep 13 '72

PFC (Daniel L. Peebles)'s murder conviction upset--pretrial statements pose problem. AF Times 32:18 Aug 2 '72

Rehearing denied in narcotics case. AF Times 32:11 Feb 9 '72

U.S. Military Appeals Court demands better trial review. AF Times 32:55 May 17 '72

COURT OF MILITARY REVIEWAir Force

Court upsets BCD (Bad Conduct Discharge for A1C Charles E. Mack), rules search illegal. AF Times 33:10 Sep 27 '72

Larceny retrial ordered (for A1C Jake F. Banks). AF Times 32:2 Feb 23 '72

COURTS-MARTIALSee also

Court of Military Review  
Uniform Code of Military Justice

Conviction of sailor (Roger L. Priest) for disloyalty upheld. AF Times 33:17 Sep 6 '72

Court denies back-pay bid (in) O'Callahan case. AF Times 32:22 Jan 26 '72

Drug conviction (of Maj Delbert W. Fleener) upheld. AF Times 32:22 Mar 15 '72

Drug court-martial (of Amn Keith Lidle) reversed (and other Court of Military Appeals decisions announced). AF Times 33:44 Aug 9 '72

Expanded USAF Trial Judiciary. TIG Brief 24:22 Sep 1 '72

Lawyers to serve as 'circuit riders'--as judges and counsel. AF Times 33:3 Aug 9 '72

Military justice before the bar. LtCol Albert N. Garland, Ret. Army 22:27-29 Jan '72

Military justice guide. TIG Brief 24:18 Dec 22 '72

Something dark and bloody. (Court-martial of Col Oran K. Henderson for My Lai) illus AF Times, Family sup:1+ Dec 20 '72

U.S. Military Appeals Court demands better trial review. AF Times 32:55 May 17 '72

COURTS-MARTIAL - ContinuedStatistics

2,475 AFers given courts-martial in '71. AF Times 32:4 Mar 15 '72

COUSINS, Ralph W.

(ADM) Cousins takes SACLANT post. por Sea Power 15:35 Nov '72

COX, Donald V.

The sea control ship system. RADM Donald V. Cox. por US Nav Inst Proc 98:113-115 Apr '72

COYLE, Joseph W.

An instructor's gold mine--group counseling. LtCol Joseph W. Coyle, Ret. USAF Instrs J 9:21-24 Spring '72

CRASH BARRIER see Airplanes, Military--Arresting GearCRAWFORD, Albert B.

Army tactical data systems. (Address, AFCEA, Washington, June 7, 1972) BrigGen Albert B. Crawford, Jr. por Signal 27:17-19 Sep '72

CREATIVITY

Intuition: An instantaneous backup system? Col James E. Mrazek, Ret. illus AU Rev 23:34-41 Jan-Feb '72

The need for innovation. (Address, American Society of Military Comptrollers National Symposium, Bolling AFB, DC, May 17, 1972) RADM J. M. Tierney. illus Armed Forces Compt 17:5-8 Summer '72

Simplified plans and specs. Maj Arthur P. Hahn. illus tab AF Civil Engr 13:11-13 Feb '72

CREDIT

Army signs credit card contract. AF Times 33:21 Aug 23 '72

Consumer Affairs warns about pitfalls of financing. AF Times 32:8 May 10 '72

You owe it to yourself: How to get out of the credit hole. Barney Halloran. illus Soldiers 27:10-13 Jul '72

CREDIT UNIONS

Defense CUs on rise. AF Times 33:42 Oct 4 '72

CREEL, George

George Creel (head of Committee on Public Information during World War I): Forgotten genius. Thomas Fleming. illus Army 22:43-48 Mar '72

CRIMEAN WAR, 1853-1856

Admiral (Pavel S.) Nakhimov, Capt Y. Morsin, Soviet Mil Rev No. 7:46-47 Jul '72

Evans in the Crimea--a study of our one competent senior commander. MajGen G. N. Wood. illus Army Qtr 102:344-351 Apr '72

CRIMES AND MISDEMEANORSSee also

Fraud  
Prisoners and Prisons

AWOL directive revised. AF Times 32:18 May 3 '72

Airman (Frankie L. Williams) wins appeal ruling. AF Times 32:3 Apr 26 '72

CRIMES AND MISDEMEANORS - Continued

Attempted thefts from BXs set record with 831 caught. Bob Towle. AF Times 32:1+ Mar 1 '72

Cargo (in)security. Col John F. Hyde. illus Translog 3:6-7 Jun '72

Cargo + apathy x dishonesty = cargo loss. Capt Bradford J. Bernard. illus Translog 3:6-8 May '72

Cargo security bibliography. Regular feature in issues of Translog

Combating cargo theft--it's the good guy's move!! Richard F. Lally. illus Def Trans J 28:22-23+ Sep-Oct '72

Conviction of sailor (Roger L. Priest) for disloyalty upheld. AF Times 33:17 Sep 6 '72

Court upsets BCD (Bad Conduct Discharge for AIC Charles E. Mack), rules search illegal. AF Times 33:10 Sep 27 '72

Drug traffickers face loss of vehicles. TIG Brief 24:16 Jan 28 '72

"End of beginning" seen in war on cargo theft. Translog 3: inside back cover Aug '72

Extradite fight lost by NCO (SSgt Bernard Williams). George Foster. AF Times 32:1+ Mar 8 '72

The first Mutiny Act--its antecedents and some developments. R. E. Scouller. Army Qtr 102:330-337 Apr '72

Five AF cases put to high court--three set for hearing. George Foster. AF Times 33:13 Nov 22 '72

Justice charges ANGers. Len Famiglietti. AF Times 32:2 Mar 8 '72

Larceny retrial ordered (for AIC Jake F. Banks). AF Times 32:2 Feb 23 '72

The MTMTS cargo security program. Capt Gerald H. Lucas. illus Translog 3:2-5 Mar '72

New iron for NATO's backbone. (7th Army deals with internal problems) L. James Binder. illus Army 22:6-15 Jul '72

'O'Callahan' upheld in bad-check case (of Lt Robert M. Wolfson and in two other cases). AF Times 33:4 Sep 13 '72

One way to exile. (When a deserter crosses the border) SP4 Chuck Noland. illus Soldiers 27:10-16 Mar '72

Operation Identification. TIG Brief 24:17 Nov 10 '72

PFC (Daniel L. Peebles)'s murder conviction upset--pretrial statements pose problem. AF Times 32:18 Aug 2 '72

Penalties for conviction of drug abuse overseas. TIG Brief 24:16 Sep 15 '72

Problems between FBI, states and LEAA. E. Drake Lundell, Jr. illus Govt Exec 4:44+ Nov '72

Reduction requested in marijuana penalty. AF Times 32:38 Mar 29 '72

Retired pay for convicted servicemen criticized. AF Times 32:50 Feb 23 '72

Target for tonight? (Armory vandalism) illus Natl Guardsman 26:26-27 Feb '72

Thieves can't shop (at military exchanges). AF Times 33:19 Aug 16 '72

War trophies. TIG Brief 24:14 Mar 24 '72



CROW, Duward L.

Impacts of participative management. (Panel discussion, American Society of Military Comptrollers National Symposium, Bolling AFB, DC, May 17, 1972) Robert L. Froehle and others. por Armed Forces Compt 17:26-34 Summer '72

Our job in comptrollership. Editorial. LtGen Duward L. Crow. por AF Compt 6:1 Apr '72

CRUISERS

Castration rounds and tattletale ships--big Russian cruisers beefing up carriers. William Beecher. illus Sea Power 15:18-22 May '72

CUBAEconomic Conditions

The need for a new U. S. policy toward Cuba in the 1970's. CAPT O. K. Hallam. tabs Forum No. 13: 52-69 Fall '71; Adaptation. Nav War Col Rev 24: 1-15 Mar '72

Foreign RelationsUnited States--History

Paramilitary case study--the Bay of Pigs. (Lecture, Naval War College) Lyman B. Kirkpatrick, Jr. Nav War Col Rev 25:32-42 Nov-Dec '72

History

General Leonard Wood: Nationbuilder. LtCol John H. Napier III. illus Mil Rev 52:77-86 Apr '72

Strategic Importance

The need for a new U. S. policy toward Cuba in the 1970's. CAPT O. K. Hallam. tabs Forum No. 13: 52-69 Fall '71; Adaptation. Nav War Col Rev 24: 1-15 Mar '72

CUBAN CRISIS, 1962

Winners and losers: A conceptual barrier in our strategic thinking. Ralph E. Strauch. AU Rev 23: 33-44 Jul-Aug '72

CULEBRA

Guano and puff rounds: Navy starts Culebra pullout. map Armed Forces J 109:13 Feb '72

CUNNINGHAM, Joseph A.

AAC--top cover for America. por AF Mag 55:111-113 May '72

CURTIS, Gilbert L.

Improving understanding of the military. (Remarks, 4th Annual MAC NCO Conference Dining-In, Altus AFB, Okla, Nov 19, 1971) LtGen James C. Sherrill, delivered by MajGen Gilbert L. Curtis. AF Plcy Ltr for Comdrs: Sup No. 2:9-13 Feb '72

CUSHMAN, Robert E., Jr

Cushman adds new dimension to JCS, Assistant CMC next pick. Brooke Nihart. por Armed Forces J 109:14+ Jan '72

Gen Robert Everton Cushman, Jr, twenty-fifth Commandant (and past Commandants listed). MarCor Gaz 56:1 Jan '72

'An intellectual in uniform.' (Gen Robert E. Cushman, Jr, 25th Commandant of Marine Corps) L. Edgar Prina. por Sea Power 15:7-8+ Jan '72

The Marines still need "a few good men" such as those in the organized MCR, Gen Robert E. Cushman, Jr. por Officer 48:12-13 Sep '72

Versatility for readiness. (Gen Robert E. Cushman, Jr assumes duty as 25th Marine Corps Commandant) por Ordnance 56:278-279 Jan-Feb '72

The view from the tank: Interviews with the Joint Chiefs. por Armed Forces J 109:36-44 Jan '72

'We're still making Marines like we used to.' Interview. Gen Robert E. Cushman, Jr. Armed Forces J 110:33 Nov '72

CUSTOMS, MILITARY

Salute. Lt Frank Justin. Infantry 62:39 Nov-Dec '72

CUSTOMS SERVICE

The DOD-Customs alliance. Michel R. Scott. illus Translog 3:6-8 Mar '72

DOD outlines customs regs. AF Times 32:40 Jul 26 '72

Marijuana by mail. Ted R. Sturm. Airman 16:35-36 Mar '72

Preventing shipment of contraband and drugs in the mails. TIG Brief 24:2 May 19 '72

Tough rules govern war trophies. Larry Phillips. AF Times 32:10 Feb 16 '72

CYBERNETICS

Soviet military cybernetics: Social and political problems of troop control. David Holloway. Royal United Svcs Inst for Def Studies J 116:59-64 Dec '71

CYPRUS

Maintaining the status quo (in Cyprus). Capt Len Dent. (Reprinted from Sentinel, April 1971) Royal Air Forces Qtr 12:113-117 Summer '72

CZECHOSLOVAKIAN CRISIS, 1968

Czechoslovakia, Ukrainian separatism and Soviet security. A. H. S. Candlin. map Army Qtr 102:209-220 Jan '72

DCAS see Defense Contract Administration Services

DDR & E see Defense Research and Engineering

DEW see Distant Early Warning Systems

DIS see Defense Investigative Service

DMA see Defense Mapping Agency

#### DAMAGE CONTROL

Damage control: Before, not after. LCDR C. Fink Fischer II. illus US Nav Inst Proc 98:44-48 Apr '72

DAMAGES see Claims

#### DAMS

Artesian pressures at lift lock. Jimmy D. Stevens. illus Mil Engr 64:170-171 May-Jun '72

Funnel to Boston Harbor--the Charles River Dam and Lock. John W. Leslie. map tab Mil Engr 64:266-267 Jul-Aug '72

The holey gates. (Dam modifications to reduce fish mortality) Edward N. Sanchez. illus Mil Engr 64:5-7 Jan-Feb '72

Seismic effects of reservoirs. Wendell V. Mickey. illus map Mil Engr 64:248-250 Jul-Aug '72

Stone dikes for river channels. Charles A. Wilkerson. illus tabs Mil Engr 64:96-100 Mar-Apr '72

DATA PROCESSING SYSTEMS see Electronic Data Processing Systems

DAVID, Edward E., Jr

Getting a handle on how technology spins. Interview. Edward David. por Govt Exec 4:74+ Aug '72

DAVISON, Frederic E.

Coping with people problems. Interview. MajGen Frederic E. Davison. por Soldiers 27:10-13 May '72

DAVISON, Michael S.

'Lean, tight,' Europe aims to set pace. Gen Michael S. Davison. por Army 22:42-47 Oct '72

DEAN, Fred M.

(Lt)Gen Dean plans June retirement (and promotions and reassignments announced). AF Times 32:4 May 3 '72

#### DEBTOR AND CREDITOR

Pay forgiveness power widens. AF Times 33:3 Oct 11 '72

You owe it to yourself: How to get out of the credit hole. Barney Halloran. illus Soldiers 27:10-13 Jul '72

#### DECELERATION

Evaluation of the lap belt, Air Force shoulder harness-lap belt and air bag plus lap belt restraints during impact with anthropomorphic dummies. James F. Sprouffske and others. illus tabs Aerosp Med 43:368-371 Apr '72

Roentgenography in the human factors investigation of fatal aviation accidents. Laurence R. Simson, Jr. illus Aerosp Med 43:81-85 Jan '72

#### DECISION MAKING

See also  
Economic Analysis  
Problem Solving

#### DECISION MAKING - Continued

AF captains train at high level. (ASTRA, Air Staff TRAINING program) Armed Forces J 109:8 Jun '72

Action styles and management game performance: An exploratory consideration. (Research paper, Naval War College) John M. Roberts and others. tabs Nav War Col Rev 24:65-81 Jun '72

Conventional versus nuclear power for CVA-67: A study of Defense management. Allan A. Spitz. illus Nav War Col Rev 24:3-14 Apr '72

Defense dollars for deterrence: A matter of priorities. LtCol Edward Stellini. illus AU Rev 23:24-37 Sep-Oct '72

General Robert E. Lee and modern decision theory. LtCol Herman L. Gilster. illus AU Rev 23:40-48 Mar-Apr '72

Leadership. (Address, Army War College, Oct 1971) Gen Omar N. Bradley. illus Parameters 1:2-8 Winter '72

More on decision-making. R.H. Blythe, Jr. AU Rev 23:59-63 Jan-Feb '72

Okinawa: Ingredients of a decision. Francis X. Ready. Forum No. 14:78-100 Winter '71

On the need for objectivity. illus Approach 17:20-23 Jan '72

President Nixon's National Security Council system (1969-70). Col Emil N. Block, Jr. chart Forum No. 14:60-77 Winter '71

QUILT (QUantitative InteLLigence analysis Technique)--a quantitative approach to determining an enemy's most probable course of action. Maj George D. Livingston, Jr. illus tabs Mil Rev 52:44-53 Jul '72

So much to do...so little time. LCDR George E. Brainerd. illus US Nav Inst Proc 98:62-67 Sep '72

Tactical operations center. Maj Don E. Gordon. MarCor Gaz 56:30-51 Jun '72

#### DECOMPRESSION

Aeromedical considerations in the management of paranasal sinus barotrauma. J. P. Smith and D. E. Furry. tabs Aerosp Med 43:1031-1033 Sep '72

Changes in the hemostatic system and in blood and urine chemistry of human subjects following decompression from a hyperbaric environment. R. B. Philp and others. tabs Aerosp Med 43:498-505 May '72

Decompression sickness in USAF operational flying, 1968-1971. Sidney T. Lewis. tabs Aerosp Med 43:1261-1264 Nov '72

Detection of gas bubbles in man at decompression. A. Evans and others. illus Aerosp Med 43:1095-1096 Oct '72

Effects of immersion with the head above water on tissue nitrogen elimination in man. U. I. Balldin and C. E. G. Lundgren. illus tabs Aerosp Med 43:1101-1108 Oct '72

Effects of increased ambient air pressures on standing steadiness in man. J. A. Adolfson and others. illus tabs Aerosp Med 43:520-524 May '72

Electroencephalographic changes during saturation excursion dives to a simulated sea water depth of 1,000 feet. L. D. Proctor and others. illus tabs Aerosp Med 43:867-877 Aug '72



DECOMPRESSION - Continued

- Narcotic effects in man of breathing 80-20 argon-oxygen and air under hyperbaric conditions. Barry Fowler and Kenneth N. Ackles. illus tabs Aerosp Med 43:1219-1224 Nov '72
- Observations on platelet changes in man after simulated diving. K. J. Martin and G. Nichols. illus Aerosp Med 43:827-830 Aug '72
- Patients 'dive' for unique cures--hyperbaric chambers succeed in treating 'bends,' gangrene. AF Times 33:59 Dec 13 '72
- Peripheral venous renin activity during 70° tilt and lower body negative pressure. Alfred F. Fasola and B. L. Martz. illus tab Aerosp Med 43:713-715 Jul '72
- Precordial monitoring of pulmonary gas embolism and decompression bubbles. Merrill P. Spencer and Howard F. Clarke. illus Aerosp Med 43:762-767 Jul '72
- Review of protective pharmacological agents in diving. P. B. Bennett. Aerosp Med 43:184-192 Feb '72
- Speech intelligibility during exercise at normal and increased atmospheric pressures. Thomas Murry and others. illus tab Aerosp Med 43:887-890 Aug '72
- Vascular headache of acute mountain sickness. Allen B. King and Sumner M. Robinson. illus tabs Aerosp Med 43:849-851 Aug '72
- Ventilation response to hypoxia and acute mountain sickness. Allen B. King and Sumner M. Robinson. illus tab Aerosp Med 43:419-421 Apr '72

DECONTAMINATION (FROM GASES, CHEMICALS, ETC)

- Emergency water supply purification. Anthony van Vliet. illus tab Mil Engr 64:319-321 Sep-Oct '72

DECORATIONS OF HONOR see Awards, Decorations, etcDECOYS (MILITARY)

- B-52 decoy ideas sought--SCAD (Subsonic Cruise Armed Decoy) design. AF Times 32:18 Mar 8 '72
- New (missile) armaments (SRAM and SCAD) slated on B-52s. AF Times 32:37 Jul 5 '72
- SCAD (Subsonic Cruise Armed Decoy missile)--electronic stand-in for the B-52. Edgar Ulsamer. illus (Also cutaway) AF Mag 55:43-47 Nov '72

DEEP OCEAN STATIONS see Underwater StationsDEEP SUBMERGENCE SYSTEMS PROGRAM

- Future concepts in military submarine systems. Brian Thomas. illus RUSI J for Def Studies 117: 55-57 Jun '72

DEFENSE (MILITARY SCIENCE) see Attack and Defense (Military Science)DEFENSE ATOMIC SUPPORT AGENCY see Defense Nuclear AgencyDEFENSE CIVIL PREPAREDNESS AGENCY

- Office of Civil Defense replaced. TIG Brief 24:4 Jun 30 '72

DEFENSE COMMUNICATIONS AGENCY

- Digital systems in the strategic context and DCA planning activities. (Address, AFCEA, Washington, June 8, 1972) BrigGen Herbert A. Schulke, Jr. Signal 26:54-56 Jul-Aug '72

DEFENSE COMMUNICATIONS AGENCY - Continued

- Visibility of performance: A requisite for communication system management. LtGen Gordon T. Gould, Jr. illus Signal 26:6-10 Jan-Feb '72

DEFENSE COMMUNICATIONS SYSTEM

- Digital systems in the strategic context and DCA planning activities. (Address, AFCEA, Washington, June 8, 1972) BrigGen Herbert A. Schulke, Jr. Signal 26:54-56 Jul-Aug '72

- Trends in communications and data handling systems in the DCS. (Address, AFCEA, Washington, June 6, 1972) BrigGen Lewis S. Norman, Jr. Signal 26:37-39 Jul-Aug '72

- Visibility of performance: A requisite for communication system management. LtGen Gordon T. Gould, Jr. illus Signal 26:6-10 Jan-Feb '72

DEFENSE CONTRACT ADMINISTRATION SERVICES

- DCAS "sells" and "services" value engineering program. Charles S. Hotchkiss and Salvatore Castiglioni. illus Def Ind Bul 8:24-26 Winter '72

DEFENSE CONTRACTS see Contracts, GovernmentDEFENSE DEPTGreat Britain

- The anatomy and management of Defence. AM John Barraclough. illus Hawk No. 33:11-18 Feb '72
- The United Kingdom's mod MOD (Ministry Of Defense) financial management. Steve Canton. illus AF Compt 6:2-7 Jan '72

United States

- Congressional Legislation Division and the legislative process. Col James Taylor, Jr and Maj Cecil W. Williams. illus AF JAG L Rev 14:84-99 Spring '72
- Conventional versus nuclear power for CVA-67: A study of Defense management. Allan A. Spitz. illus Nav War Col Rev 24:3-14 Apr '72
- DOD magazine empire: Laird wants to know--how big is it? Elaine E. Robertson. Armed Forces J 109:13 May '72
- DOD policy on domestic action. (Remarks, Domestic Action Council, Washington, Dec 14, 1971) Melvin R. Laird. AF Ploy Ltr for Comdrs: Sup No. 3:13-15 Mar '72
- DOD policy on equal opportunity. (Remarks, Defense Race Relations Institute, Patrick AFB, Fla, Jan 31, 1972) Donald L. Miller. AF Ploy Ltr for Comdrs: Sup No. 3:16-20 Mar '72
- DOD takes control of on-base motels. Bob Towle. AF Times 32:2 May 17 '72
- DOD's David "Doc" Cooke: "There will always be organizational changes." Interview. illus Govt Exec 4:30 Nov '72
- David Packard: Defense success. LtGen Ira C. Eaker, Ret. AF Times 32:13 Jan 26 '72
- The decline and fall of the Joint Chiefs of Staff. (Research paper, College of Naval Command and Staff, 1971) LtCol William A. Hamilton III. illus Nav War Col Rev 24:36-58 Apr '72
- Defense Deputy (William P. Clements, Jr) offers 'balance.' AF Times 33:43 Dec 27 '72
- Defense intelligence family may have a tough haul ahead. illus Armed Forces J 109:18 Apr '72



DEFENSE DEPT - ContinuedUnited States - Cont'd

Defense programs in spotlight as legislators begin election year session. James D. Hessman. Armed Forces J 109:38-39 Feb '72

Defense telecommunications: Is the systems proliferation trend stoppable? Interview. Eberhardt Rehtin. illus Govt Exec 4:67-69 Jul '72

Divisiveness in the Defense establishment: It affects more than the Pentagon. Critical reflections on his three years as Defense's number two man. (Address, National Security Industrial Assoc, Washington, March 9, 1971, accepting the James Forrestal Award for 1971) David Packard. illus AF Times, Family sup:18-19 Jun 7 '72

(Elliot L.) Richardson named Defense Secretary. illus AF Times 33:4 Dec 13 '72

The Froehke flair: It just might work. illus Armed Forces J 110:32 Dec '72

It's not done with a crystal ball. (William J. Baroody, Jr, Assistant to the Secretary and DepSec of Defense) Thomas C. Steinhäuser. illus Armed Forces J 109:16 May '72

Keep it clean! Environmental quality is 'in' at the Pentagon. Thomas C. Steinhäuser. illus tabs Armed Forces J 110:24-26+ Dec '72

The Navy's new money man: Assistant Navy Secretary (Financial Management) Robert D. Nesen, in profile. Heather David. illus Sea Power 15:33 Nov '72

(New Assistant Secretary of Defense for Telecommunications, Dr Eberhardt Rehtin) illus Signal 26: 60 Apr '72

New DepSecDef (Kenneth Rush) is skilled negotiator. illus Armed Forces J 109:15+ Mar '72

New executive in DOD: Kenneth Rush assumes duties as the Deputy Secretary of Defense. por Ordnance 56:362-363 Mar-Apr '72

New naval leadership--Hon John W. Warner takes the helm as Secretary of the Navy. illus Ordnance 57: 28-29 Jul-Aug '72

Nixon's cutbacks to start at home. LtGen Ira C. Eaker, Ret. AF Times 33:13 Dec 13 '72

Pay hike brings strange results, mixed reviews. tab Armed Forces J 109:10-11 Feb '72

The press and the Pentagon Papers. (Remarks preceding panel discussion on "Communications Media," Naval War College, 1971?) Neil Sheehan. illus Nav War Col Rev 24:8-12 Feb '72

Proud image for the Army--Under Secretary (Kenneth E.) BeLieu faces challenge of building esprit de corps. illus Ordnance 57:204-205 Nov-Dec '72

Sailor, Marine, Secretary (of the Navy, John W. Warner). illus Armed Forces J 109:17 May '72

SecDef (Melvin R. Laird)'s Defense report: 'A fully developed strategy of realistic deterrence.' Brooke Nihart. Armed Forces J 109:54 Mar '72

The Senator wants more analysis (of retired officers in defense industry)--but what kind? Interview. William Proxmire. Armed Forces J 109:38+ May '72

The State/DOD exchange program. Raymond J. Barrett. illus AU Rev 23:54-59 Sep-Oct '72

Transportation procurement and the Department of Defense. Vincent F. Caputo. illus Def Trans J 28:26-27 Jan-Feb '72

DEFENSE DEPT - ContinuedUnited States - Cont'd

Warner succeeds Chafee as Secretary (of the Navy). L. Edgar Prina. illus Sea Power 15:34-35 May '72

What's a DCP (Development Concept Paper)? Interview. Kenneth Rush. illus Govt Exec 4:24+ Oct '72

Where the candidates stand on defense. Claude Witze. illus AF Mag 55:50-51 Oct '72

History

Secretary Stimson and the European War, 1940-1941. F. Gunther Eyck. illus Parameters 2:40-51 Spring-Summer '72

Organization

An alternate approach to Defense organization. Maj James L. Tracy. illus Mil Rev 52:43-50 May '72

Authority and responsibility for acquisition of materiel for the Armed Forces. Charts only. Ordnance 56:483-492 May-Jun '72

Blue Ribbon Defense Panel in perspective: The Pentagon still has five sides. James D. Hessman. Armed Forces J 109:45-47 Jan '72

New office for safety policy established in Department of Defense. TIG Brief 24:21 Jul 28 '72

New Office of Morale chief--plan would combine rec funds. Bob Towle. AF Times 32:3 Jul 19 '72

Unified logistics--an unholy alliance? LtCol Graham W. Rider. charts AF Mag 55:48-51 Mar '72

Organization--History

Unified logistics--an unholy alliance? LtCol Graham W. Rider. charts AF Mag 55:48-51 Mar '72

DEFENSE DEVELOPMENT RESEARCH AND ENGINEERING see Defense Research and EngineeringDEFENSE DOCUMENTATION CENTER

Defense Documentation Center maintains depository of R&D reports. Robert H. Rea. illus Def Ind Bul 8:32-35 Winter '72

IR&D Data Bank established--undergoes three-year test. David D. Acker. tabs Def Mgt J 8:45-48+ Jul '72

Million title technical library. Robert H. Rea. illus Translog 3:20-22 Oct '72

Research and technology work unit information system. TIG Brief 24:20 May 5 '72

DEFENSE INDUSTRIAL PLANT EQUIPMENT CENTER

IPE (Industrial Plant Equipment) reutilization value percentage system. Col Claude G. Baughman. illus tabs Armed Forces Compt 17:19-21+ Winter '72

Putting idle equipment to work. illus Army Log 4: 12-13+ Jan-Feb '72

DEFENSE INDUSTRIAL SUPPLY CENTER

DISC explores simplified procurement. Def Mgt J 8:31 Apr '72

DEFENSE INTELLIGENCE AGENCY

Defense (Intelligence) Agency commander (LtGen Donald V. Bennett) gets a fourth star (and other star shifts announced). Armed Forces J 110:17 Sep '72

DEFENSE INTELLIGENCE AGENCY - Continued

Spooks get promises, not action--DIA still low man on supergrade totem pole. Thomas C. Steinhäuser. tabs Armed Forces J 110:17+ Oct '72

DEFENSE INVESTIGATIVE SERVICE

Defense Investigative Service. TIG Brief 24:18 Jun 2 '72

DEFENSE LOGISTICS SERVICES CENTER

So they were married. (Classifying Defense cargo) Don Thompson. illus Translog 3:17-18 Mar '72

DEFENSE MAPPING AGENCY

The Defense Mapping Agency. TIG Brief 24:13 Dec 8 '72

DEFENSE MARKETS AND MARKETING see Markets and MarketingDEFENSE NUCLEAR AGENCY

Defense Nuclear Agency: A reason for being. MajGen Joseph L. Dickman. illus Govt Exec 4:32-34+ Jan '72

DEFENSE PROGRAM REVIEW COMMITTEE

President Nixon's National Security Council system (1969-70). Col Emil N. Block, Jr. chart Forum No. 14:60-77 Winter '71

DEFENSE RESEARCH AND ENGINEERING

Foreign weapons may defend U.S. AF Times 32:4 Mar 15 '72

DEFENSE SECURITY ASSISTANCE AGENCY

DOD organizes to meet new challenges of Security Assistance Program: Defense Security Assistance Agency. LtGen George M. Seignious II. illus Def Mgt J 8:55-59 Apr '72

DEFENSE SUPPLY AGENCY

Defense supply digest. Regular feature in some issues of Review

DEFENSE SUPPLY ASSOCIATION see American Logistics AssociationDEFENSESSee also

Air Defenses  
Civil Defense  
Deterrence

Science and the future of defence. Hermann Bondi. illus RUSI J for Def Studies 117:10-16 Jun '72

Costs

Science and the future of defence. Hermann Bondi. illus RUSI J for Def Studies 117:10-16 Jun '72

Africa, South

The military outlook: Southern Africa. Lewis H. Gann. illus map Mil Rev 52:59-72 Jul '72

The security of the southern oceans: Southern Africa, the key. Stewart Menaul. illus NATO's Fifteen Nations 17:40-46 Apr-May '72

South Africa and the defence of the Cape route. (Interview with P. W. Botha) Paul Giniewski. illus NATO's Fifteen Nations 17:24-26 Apr-May '72

South Africa's military industrial complex. Al J. Venter. illus Intl Def Rev 4:547-548 Dec '71

DEFENSES - ContinuedAsia

Developing resource management systems for Asian defense. Albert J. Martin. illus Armed Forces Compt 17:8-9+ Spring '72

Canada

Canadian defence policy. Peter Silverman. illus Royal United Svcs Inst for Def Studies J 116:40-45 Dec '71

Defence: The great Canadian fairy tale. Col Strome Galloway. Army Qtr 102:419-426 Jul '72

China (People's Republic)

China looks north: Tactical nukes and a forward strategy? William Beecher. illus map Sea Power 15:22-26 Sep '72

Europe

European security--a United States view. Robert Ellsworth. illus Royal United Svcs Inst for Def Studies J 116:5-12 Dec '71

The military situation in Europe. Regular feature in some issues of Army Quarterly and Defence Journal

Mutually balanced force reductions: The complex problem. (Research paper, Naval War College) Lt Edward A. McKenney. illus Nav War Col Rev 24:29-41 Jun '72

NATO--the writing on the wall. Gen T. R. Milton. illus tab US Nav Inst Proc 98:18-21 Jan '72

The prospects for a European security conference. C. E. Morris. Army Qtr 102:7-11 Oct '71

Europe, Western

Army support of coalition security. LtCols Zeb B. Bradford, Jr and Frederick J. Brown. illus Mil Rev 52:4-21 May '72

Behind NATO's shiny facade--a troubled future? Gen T. R. Milton. illus AF Mag 55:49-52 Aug '72

Letter from London: Britain implements strong Defence policy and recognises growing Soviet threat. NATO's Fifteen Nations 17:12-15 Jun-Jul '72

1972, which year in Europe? Colin Gordon. NATO's Fifteen Nations 17:62-64+ Apr-May '72

Over the threshold--'clean' tactical nuclear weapons for Europe. William Beecher. illus Army 22:17-20 Jul '72

Strategy for tomorrow--America's need for future security in Europe. Stanley L. Harrison. illus Mil Rev 52:57-70 Aug '72

Free World

From leadership to partnership. Marc E. Geneste. illus tab Mil Rev 52:73-81 Mar '72

Germany (Federal Republic)

Armies and societies: Three case studies. LtCol William L. Hauser. illus Mil Rev pt 1, The new German Army. 52:4-14 Jul '72; pt 2, The French Army after Algeria. 52:2-12 Aug '72; pt 3, The British Army at the end of the empire. 52:3-15 Sep '72

German Army reorganization. (Trans from a French publication) illus charts Mil Rev 52:75-82 Jan '72

Mobile defense. Paul Carell. (Trans and condensed from a German publication) illus Mil Rev 52:77-82 Feb '72



DEFENSES - ContinuedGreat Britain

- Arousing public interest in defence. SqLdr B.J. Jackson. Royal Air Forces Qtr 12:23-30 Spring '72
- Defence procurement--a heretical view? Ian Bellany. RUSI J for Def Studies 117:37-39 Mar '72
- Letter from London: Britain implements strong Defence policy and recognises growing Soviet threat. NATO's Fifteen Nations 17:12-15 Jun-Jul '72
- Some antecedents of British defence policy. Philip C. Brooks. Army Qtr 102:70-80 Oct '71
- The U.K. Warning and Monitoring Organisation. John Marriott. Armed Forces J 109:24-25 Mar '72
- Who sank the carriers? What went on in Whitehall--lessons we must never forget. illus Air Pict 34:48-50 Feb '72

History

- The ten year rule--the historical facts. (Comment on articles by P. Silverman and K. Booth, Royal United Service Institution Journal, March 1971; Royal United Services Institute for Defence Studies Journal, Sep 1971) Stephen Roskill. illus RUSI J for Def Studies 117:69-71 Mar '72

Israel

- Watch on the Suez. William Beecher. illus tab Army pt 1, Egypt's noisy silent partner. 21:10-13 Nov '71; pt 2, Israel weighs the options. 21:28-32 Dec '71; pt 3, Jordan: On the razor's edge. 22:41-44 Jan '72

Japan

- Japan: A military "papier-mâché tiger." LtGen Masatake Okumiya, Ret. US Nav Inst Proc 98:84-86 Nov '72
- Japan and U.S. security. Robert E. Ward. Persp in Def Mgt, pp 19-28, Winter '71-'72
- Japan's view of Korea. Maj H.E. McCracken, Jr. illus maps US Nav Inst Proc 98:41-47 Feb '72

Mediterranean Region

- Malta--a maritime base for rent. VADM B.B. Schofield, Ret. illus US Nav Inst Proc 98:111-114 Dec '72

- View from the bridge of the Sixth Fleet flagship. ADM Isaac C. Kidd, Jr. illus map US Nav Inst Proc 98:18-29 Feb '72

NATO

- An aerial blocking force. Fred K. McCoy. illus Armor 81:29-34 Mar-Apr '72
- The bears were over the mountain as the Marines landed in Norway. (Exercise Strong Express) John G. Norris. illus Sea Power 15:18-21 Nov '72
- The defence of NATO's southern flank. ADM Horacio Rivero. illus RUSI J for Def Studies 117:3-10 Jun '72
- (Exercise) Strong Express--multi-lingual NATO Force speaks softly but... Thomas C. Steinhauser. illus Armed Forces J 110:58-61 Nov '72
- NATO: Defense and detente. Maj Frank A. Partlow, Jr. illus tabs Army 22:8-14 Dec '72
- NATO fixed sonar range commissioned. John Marriott. Armed Forces J 109:29 Aug '72
- NATO--the writing on the wall. Gen T.R. Milton. illus tab US Nav Inst Proc 98:18-21 Jan '72

DEFENSES - ContinuedNATO - Cont'd

- New strategy for NATO's northern flank--(Exercise) Strong Express features U.S. amphibious forces. John G. Norris. illus maps Sea Power 15:12-17 Dec '72
- The North Atlantic: The Norwegian Sea, a Scandinavian security problem. Capt Christer Fredholm. maps illus Nav War Col Rev 24:56-64 Jun '72
- Planning NATO's forces. O. Caracciolo di Forino. illus NATO's Fifteen Nations 16:74-75+ Dec '71-Jan '72
- The prospects for a European security conference. C.E. Morris. Army Qtr 102:7-11 Oct '71
- The security of the southern oceans: Southern Africa, the key. Stewart Menaul. illus NATO's Fifteen Nations 17:40-46 Apr-May '72
- "Strong Express"--massive multi-nation tri-Service exercise on NATO's northern flank. illus Air Pict 34:432-433 Nov '72
- T hour plus 2 1/2. (U.S. Forces in Western Europe) Jac Weller. illus Review 51:17-19+ Jan-Feb '72
- Warsaw Pact outpaces NATO. LtGen Ira C. Eaker, Ret. AF Times 33:13 Aug 16 '72

Russia

- For realistic defense. Peter H. Dominick. Ordnance 56:282-284 Jan-Feb '72
- The shifting balance. William E. Brock. illus Ordnance 56:366-368 Mar-Apr '72
- Sources of defence potential. Gen V. Kulikov. illus Soviet Mil Rev No. 11:18-21 Nov '72
- Soviet command and control. John Erickson. (Condensed from chapter 4 of the author's Soviet Military Power) illus Mil Rev 52:41-50 Jan '72
- The Soviet Marines. Charles G. Pritchard. illus US Nav Inst Proc 98:18-30 Mar '72

Scandinavia

- The Nordic countries in a changing Europe. Egil Ulstein. (Condensed from Part 3 of Adelphi Papers No. 81, Nov 1971) illus Mil Rev 52:50-63 Sep '72

United States

- The Air Force and national security. (Address, Jacksonville Chamber of Commerce Dinner, Little Rock AFB, Ark, Dec 10, 1971) Gen John C. Meyer. AF Ploy Ltr for Comdrs: Sup No. 2:28-32 Feb '72
- Air Force may share Navy sea control mission (Melvin R. Laird's 3d annual Dept of Defense report to Congress). L. Edgar Prina. illus Sea Power 15:34-36 Mar '72
- America's defence crisis. LtCol A.J. Barker. tab Army Qtr 102:266-273 Apr '72
- Battle of the budget. (Address, 54th Annual Meeting, American Ordnance Assoc, Washington, May 11, 1972) Robert C. Moot. tabs Ordnance 57:36-39 Jul-Aug '72
- Civil-military relations in the 1980s. Col Richard F. Rosser. Mil Rev 52:18-31 Mar '72
- Defense highlights. Regular feature in issues of Ordnance
- Defense leaders spell out threat. LtGen Ira C. Eaker, Ret. AF Times 32:13 Mar 15 '72



DEFENSES - ContinuedUnited States - Cont'd

Defense Secretary Melvin Laird: Reordered priorities and fenced-in planning. Interview. illus Govt Exec 4:50-52 Apr '72

FY 73: Realistic deterrence comes into its own. James D. Hessman. illus Armed Forces J 109:32-33 Feb '72

For realistic defense. Peter H. Dominick. Ordnance 56:282-284 Jan-Feb '72

Foreign policy and military force planning. Arnold M. Kuzmack. illus Mil Rev 52:13-22 Aug '72

"A future for the destroyer?" (Comment on article by W. J. Ruhe, US Nav Inst Proc, Aug 1971) CAPT George P. Sotos. US Nav Inst Proc 98:86-87 Jan '72

Highways and national defense. F. C. Turner. (Reprinted from Military Engineer, July-Aug 1971) illus Translog 3:2-4+ Dec '71-Jan '72

Lessons in preparedness. VADM H. G. Rickover. Ordnance 56:288-291 Jan-Feb '72

National security strategy of realistic deterrence. (Summary of statement before House Armed Services Committee on the FY 1973 Defense budget and FY 1973-1977 program, Feb 15, 1972) Melvin R. Laird. AF Ploy Ltr for Comdrs: Sup No. 5:14-26 May '72

The Navy tomorrow. ADM E. R. Zumwalt, Jr. illus Ordnance 56:285-287 Jan-Feb '72

Need for a nuclear Navy. Chet Holifield. Ordnance 56:462-464 May-Jun '72

New Defense budget gets naval tilt. L. Edgar Prina. illus tab Sea Power 15:33-34 Feb '72

Not the time for Defense cuts. LtGen Ira C. Eaker, Ret. AF Times 32:13 Jul 5 '72

Pay your money, take your choice. (U. S. Defense budget) Claude Witze. AF Mag 55:12-14 Jul '72

The Posture parade marches again. Claude Witze. illus AF Mag 55:11-14 Apr '72

RDT&E programs up 9.5% to \$8.5-billion. Brooke Nihart. tab Armed Forces J 109:38-39 Mar '72

A rationale for adequate U. S. aerospace forces. Gen John D. Ryan. illus tab AF Mag 55:50-53 May '72

Relevant power: Putting the salt water back in national strategy. Brooke Nihart. Armed Forces J 109:28-31 Feb '72

The Reserves and National Guard: Their changing role in national defense. John R. Probert. illus Nav War Col Rev 24:66-75 May '72

SecDef (Melvin R. Laird)'s Defense report: 'A fully developed strategy of realistic deterrence.' Brooke Nihart. Armed Forces J 109:54 Mar '72

The shifting balance. William E. Brock. illus Ordnance 56:366-368 Mar-Apr '72

Strategic options and total force concepts. Interview. Gen George S. Brown. illus AF Mag 55:39-44 May '72

The strategic requirement--AFA symposium in Orlando (Fla, Dec 15-16, 1971). Edgar Ulsamer. illus AF Mag 55:58-64 Feb '72

Strategic sufficiency: A question of faith? Colin S. Gray. illus AF Mag 55:27-32 Apr '72

DEFENSES - ContinuedUnited States - Cont'd

The total force concept: An Air Force view. LtCol Richard J. Toner. illus AU Rev 24:2-9 Nov-Dec '72

USSR tipping balance. LtGen Ira C. Eaker, Ret. AF Times 32:13 Jan 5 '72

The United States at a strategic crossroads. VADM Stansfield Turner. illus US Nav Inst Proc 98:18-25 Oct '72

United States strategic and tactical Air Forces--today and tomorrow. Gen John D. Ryan. illus NATO's Fifteen Nations 17:16-19+ Aug-Sep '72

The view from the tank: Interviews with the Joint Chiefs. illus Armed Forces J 109:36-44 Jan '72

Warsaw Pact

NATO: Defense and detente. Maj Frank A. Partlow, Jr. illus tabs Army 22:8-14 Dec '72

Warsaw Pact outpaces NATO. LtGen Ira C. Eaker, Ret. AF Times 33:13 Aug 16 '72

DEFOLIATION

'Orange' burning requested. AF Times 32:19 Feb 16 '72

DEGREES, ACADEMIC

AFIT graduates 105 engineers. AF Times 32:22 Jun 28 '72

Advanced academic degree management system. TIG Brief 24:6 Dec 22 '72

The Armed Services associate degree program: A proposal. Capt Abbott A. Brayton. illus tab Mil Rev 52:90-94 Feb '72

Curbs put on ROTC 'delays.' AF Times 32:20 Feb 2 '72

Gooseflesh, gumption and getting ahead. (AFIT's advanced degree program) Ed Blair. illus Airman 16:29-32 Apr '72

Minuteman MAs total 127 in '71. AF Times 32:5 May 10 '72

Rules on PCS eased for enlisted students. AF Times 32:20 Jun 28 '72

Schooling takes off. George Foster. AF Times 32:1+ May 3 '72

Sharp increase listed in degree holders. AF Times 32:4 Jun 7 '72

DEMONSTRATIONS (PROTEST)

The protest at (Exercise) Snowy Beach. CDR Ralph W. Blanchard. illus US Nav Inst Proc 98:118-122 Jul '72

These troubled times. Regular feature in some issues of National Guardsman

Violence in a free society. Lloyd N. Cutler. Persp in Def Mgt, pp 25-34, Spring '72

DEMOTIONAir Force--U. S.

Administrative demotion of airmen. TIG Brief 24:9-10 Feb 11 '72

Administrative demotion of airmen. (AFR 39-30) TIG Brief 24:19 Sep 15 '72

DEMOTION - ContinuedAir Force - U.S. - Cont'd

Demotion reg (AFR 39-30) guarantees fair hearing for airmen. AF Times 32:2 Jan 5 '72

DENNISON, Robert L.

Allied Command Atlantic. ADM Robert Lee Dennison. Ret. por NATO's Fifteen Nations 17:16-19 Feb-Mar '72

Former SACLANT's. por biog NATO's Fifteen Nations 17:24-26 Feb-Mar '72

DENTAL CARE

Administration of USAF dental activities. TIG Brief 24:23 Sep 15 '72

CHAMPUS dentistry care up. AF Times 33:2 Sep 13 '72

Denticare bid going to Hill. Randy Shoemaker. AF Times 33:1+ Nov 15 '72

Dentists to stress prevention plans. Interview. BrigGen Roger Hombs. AF Times 32:3 Jul 12 '72

Preventive restorative dentistry. TIG Brief 24:19-20 Jun 30 '72

DENTAL CORPSAir Force

Dental officer duty rotation program. TIG Brief 24:21 Mar 24 '72

Dentists receive new edge to O-4. George Foster. AF Times 32:1+ Jul 19 '72

Dentists to get earlier chance at 1(ieutenant) c(olonel), colonel. AF Times 33:3 Aug 23 '72

Dentists to stress prevention plans. Interview. BrigGen Roger Hombs. AF Times 32:3 Jul 12 '72

EM to become dental assistants--board choosing 15 for training. AF Times 32:8 Apr 12 '72

584 dentists get bonus. AF Times 33:46 Sep 13 '72

Preventive restorative dentistry. TIG Brief 24:19-20 Jun 30 '72

Armed Forces

Dentist bonus slated for Sep 1. AF Times 33:3 Aug 16 '72

DEPENDENCY AND INDEMNITY COMPENSATION see Survivors Rights and BenefitsDEPENDENTS, MILITARYSee also

Children, Military  
Wives, Military

Bill lets wife nab paycheck (for child support, alimony). Bob Horowitz. AF Times 32:1+ Jul 5 '72

Comptroller tightens kin travel. AF Times 32:10 Apr 5 '72

Congress urges hiring of kin--NAF jobs o'seas. AF Times 33:49 Nov 29 '72

Counseling programs set for POW-MIA families. AF Times 33:10 Nov 22 '72

Court denies WAF (Lt Sharron Fronteiro) benefits for husband. AF Times 32:4 Apr 19 '72

Dependent husband rule liberalized--many service-women to get higher BAQ. AF Times 32:3 Jul 26 '72

Dependents to take tests for drug use. Randy Shoemaker. AF Times 32:1+ May 10 '72

DEPENDENTS, MILITARY - Continued

Excess housing listed for kin--3,040 units. AF Times 33:5 Sep 20 '72

Five AF cases put to high court--three set for hearing. George Foster. AF Times 33:13 Nov 22 '72

Improving the quality of Air Force living. (Remarks, Officers' Wives Club, Bolling AFB, Washington, Oct 14, 1971) Gen John D. Ryan. AF Pley Ltr for Comdrs: Sup No. 1:2-7 Jan '72

Kin drug tests illegal--sort of. AF Times 33:21 Nov 15 '72

The military abortion maze. Margaret Eastman and Jim Sample. illus tabs AF Times pt 1, Family sup:6-13+ Nov 1 '72; pt 2, Family sup:8-11+ Nov 15 '72

Money laws expire in '73. Randy Shoemaker. AF Times 32:1+ Jul 19 '72

Overseas kin given employment break. Randy Shoemaker. AF Times 32:1+ July 26 '72

Personal family contact officer program. TIG Brief 24:17 Oct 13 '72

Senate unit approves equal women's bill. AF Times 33:4 Oct 4 '72

Separation ends CHAMPUS eligibility. Ruth Chandler. AF Times 32:13 Feb 16 '72

(Supreme) Court to weigh woman's rights. AF Times 33:25 Oct 25 '72

Un-sponsored tour tough. Bob Towle. AF Times 32:1+ May 10 '72

VA reminders--kin failing to claim benefits. AF Times 33:22 Nov 15 '72

WAF (SSgt Deborah H. Knaup) seeks full benefits for husband. AF Times 33:44 Aug 23 '72

Wives at sea. (Navy destroyer USS Puget Sound transports Navy families to new home port in Athens, Greece) Connie Gibson Wehrman. illus AF Times, Family sup:20-23 Dec 6 '72

DEPLOYMENTAir Force

Air Guard gets workout over Turkey (in NATO Exercise Deep Furrow). LtCol Theodore C. Wagner. illus Natl Guardsman 26:8-9 Jan '72

How to accomplish a Base Development Plan (BDP). Capt Robert L. Bell. illus AF Civil Engr 13:17-18 Feb '72

TAC's global reach helps counter a crisis. Maj B. W. Boshoven. illus AF Mag 55:36-40 Aug '72

History

TAC's global reach helps counter a crisis. Maj B. W. Boshoven. illus AF Mag 55:36-40 Aug '72

Armed Forces

(Exercise) Gallant Hand 72. James E. Elsener. illus Army 22:30-33 May '72

Reforger III fulfills NATO pledge. illus Armor 81:42-45 Jan-Feb '72

Sit up and take notice. (Exercise Brave Shield) illus Natl Guardsman 26:16-18 May '72

Marine Corps

A view from FMF Pac of logistics in the Western Pacific, 1965-1971. Col James B. Soper, Ret. illus US Nav Inst Proc 98:222-239 May '72

De POIX, Vincent P.

NATO's Striking Fleet Atlantic. VADM Vincent Paul de Poix. por NATO's Fifteen Nations 17:38-44 Feb-Mar '72

DEPOTS, SUPPLYArmy

Rebuilding reparable Army equipment in the Pacific Theater. MajGen Jack C. Fuson. illus tabs Army Log 4:4-7+ Jan-Feb '72

SPEEDEX (System-wide Project for Electronic Equipment at Depots, EXtended): AMC's information processing system for depots. Ralph R. Tappen. illus Army Log 4:16-20 Nov-Dec '72

USAMC transportation moves ahead in automatic data processing. William C. Rabold. illus Translog 3:8-9 Dec '71-Jan '72

DESALTING OF SEA WATER see Sea Water--Desalting

DESERT OPERATIONS

Operation Desert Trek, a first for USAIS. Capt Philip A. Burkett. illus Infantry 62:12-13 Jul-Aug '72

DESERTION, MILITARY

Amnesty: No easy solution. Bruce Callander. AF Times 32:13 Mar 8 '72

DOD opposes amnesty--wants issue deferred. AF Times 32:18 Mar 15 '72

DOD, veterans rebuff Kennedy on amnesty. Armed Forces J 109:12-13 Apr '72

Desertion convictions reversed. AF Times 32:36 Feb 9 '72

One way to exile. (When a deserter crosses the border) SP4 Chuck Noland. illus Soldiers 27:10-16 Mar '72

Pentagon replies to amnesty pleas. AF Times 32:3 Jan 26 '72

Second deserter (A1C Donald C. Fosso) returns to United States on own. AF Times 32:39 Apr 12 '72

Statistics

Deserter arrests at high. AF Times 33:43 Dec 27 '72

Profile of deserters. Sue Toma. AF Times 33:1+ Dec 13 '72

DESOBRY, William R.

Modern armor. MajGen William R. Desobry. por Armor 81:4-7 Mar-Apr '72

DESTROYERS

Britain's Type 42 destroyer. Derek Wood and R. B. Pengelley. illus (Also cutaway) tabs Intl Def Rev 4:571-576 Dec '71

The DLG (guided missile frigate) modernization program. CDR William A. Cockell, Jr. illus US Nav Inst Proc 98:101-104 Jan '72

"A future for the destroyer?" (Comment on article by W. J. Ruhe, US Nav Inst Proc, Aug 1971) CAPT George P. Sotos. US Nav Inst Proc 98:86-87 Jan '72

Mk 10 frigates for the Brazilian Navy. illus tab Intl Def Rev 5:486-490 Oct '72

History

"A destroyer named Smith." Robert F. Sumrall. illus tabs US Nav Inst Proc 98:70-81 Jul '72

DETECTION EQUIPMENT

Advanced microwave receiving system. J. P. Schoenberg. illus Signal 27:19-21 Dec '72

Contraband detector shipped to SEA. AF Times 32:38 Feb 23 '72

DF'ING (Direction FINDING) using short baseline TOA (Time Of Arrival) techniques. C. G. Brown. illus Elect Warfare 4:14-15+ Summer '72

Field artillery equipment. tabs illus Fld Artilleryman No. 50:4-49 Oct '72

It's Pave Nail, and that's a FAC. Maj Keith J. Nance and Capt Roger B. Dunn. illus USAF TAWC Rev 3:10-13 Aug '72

(LORETS: LORan RETranSMission) Signal 26:59 May '72

(Laser-doppler clear air turbulence detection system) Signal 27:51 Dec '72

Netting of ESM (Electronic Support Measures) platforms. Henry J. Morin and Francis J. Enge. illus Elect Warfare 4:10+ Winter '72

(New electronic system called Interrogator Processor Sets--IPS) Signal 27:74 Oct '72

(Thermoviewer or handheld thermal viewer (AN/PAS-7)) Signal 26:58 May '72

(X-ray system for airport security and anti-hijack screening) Signal 27:50 Dec '72

DETERRENCE

The categoric need for a mix of tactical deterrence. Edgar Ulsamer. AF Mag 55:40-41 Mar '72

China's nuclear deterrent. Charles H. Murphy. (Adapted from Bulletin of the Atomic Scientists, Jan 1972) illus map AF Mag 55:22-26 Apr '72

Crisis management--a vocation for the Armed Forces. Dennis Chaplin. Army Qtr 102:303-319 Apr '72

A critique of realistic-deterrence strategy. Gen Maxwell D. Taylor, Ret. Persp in Def Mgt, pp 1-10, Autumn '72

Current strategic theories. (Lecture, Naval War College) LCDR Benjamin M. Simpson III. illus Nav War Col Rev 24:76-85 May '72

The Defense budget: Realities of deterrence and strategic priority. John S. Foster, Jr. Persp in Def Mgt, pp 1-5, Spring '72

Defense dollars for deterrence: A matter of priorities. LtCol Edward Stellini. illus AU Rev 23:24-37 Sep-Oct '72

Deterrence. Gen John D. Ryan. AF Ploy Ltr for Comdrs: Sup No. 9:7-8 Sep '72

Deterrence and the medium-sized powers. Col Lucien Poirier. (Trans and digested from Revue de Défense Nationale, March 1972) illus Mil Rev 52:22-34 Nov '72

The deterrent role of Strategic Forces. LtGen Glen W. Martin. illus Signal 26:18-20 Mar '72

Electronic warfare: Essential element of deterrence. Interview. BrigGen Theodore S. Coberly. illus AF Mag 55:36-41 Jul '72

FY 73: Realistic deterrence comes into its own. James D. Hessman. illus Armed Forces J 109:32-33 Feb '72



DETERRENCE - Continued

- Forcible self-help in international law. (Research paper, College of Naval Warfare) CAPT James J. McHugh. Nav War Col Rev 25:61-86 Nov-Dec '72
- The foundation of a strategy for peace: Realistic deterrence. (Excerpts from Defense Posture Statement) Melvin R. Laird. illus Def Mgt J 8:32-39 Apr '72
- From leadership to partnership. Marc E. Geneste. illus tab Mil Rev 52:73-81 Mar '72
- General nuclear war: A conceptual analysis. Col Donald S. Bussey, Ret. Persp in Def Mgt, pp 49-58, Winter '71-'72
- Military preparedness--a lesson from history. LtGen Harry E. Goldsworthy. illus Review 51:11-12 Jan-Feb '72
- Military R&D--the myths and the realities. (Address AFA Convention, Washington, Sep 17-21, 1972) John S. Foster, Jr. illus AF Mag 55:67-71 Nov '72
- National security strategy of realistic deterrence. (Summary of statement before House Armed Services Committee on the FY 1973 Defense budget and FY 1973-1977 program, Feb 15, 1972) Melvin R. Laird. AF Pcly Ltr for Comdrs: Sup No. 5:14-26 May '72
- Need for a nuclear Navy. Chet Holifield. Ordnance 56:462-464 May-Jun '72
- New perspective on aerospace defense. (Address, Fresno Chapter, Air Force Assoc, Fresno, Calif, Sep 9, 1972) MajGen H. A. Hanes. AF Pcly Ltr for Comdrs: Sup No. 10:2-8 Oct '72
- Our three-legged stool. (Triad concept of defense) Ted R. Sturm. map Airman 16:2-5 Jan '72
- The paradox of successful deterrence. (Address, Air Force Assoc Convention, Washington, Sep 19, 1972) Gen John D. Ryan. AF Pcly Ltr for Comdrs: Sup No. 11:13-16 Nov '72
- Preparing for a generation of peace: A strategic concept responsive to a Presidential mandate. Col Alonzo J. Walter, Jr. illus AU Rev 23:12-19 May-Jun '72
- A rationale for adequate U.S. aerospace forces. Gen John D. Ryan. illus tab AF Mag 55:50-53 May '72
- The role of modern land forces. Gen William Westmoreland. illus NATO's Fifteen Nations 17:18-26 Jun-Jul '72
- Roots of strategic deterrence. Herman S. Wolk. illus Aerosp Hist 19:137-144 Sep '72
- SCAD (Subsonic Cruise Armed Decoy missile)--electronic stand-in for the B-52. Edgar Ulsamer. illus (Also cutaway) AF Mag 55:43-47 Nov '72
- SecDef (Melvin R. Laird)'s Defense report: 'A fully developed strategy of realistic deterrence.' Brooke Nihart. Armed Forces J 109:54 Mar '72
- The shifting strategic balance. (Position paper, Executive Council, NGAUS) Natl Guardsman 26: inside front cover Mar '72
- The Single Integrated Operational Plan (SIOP). Capt Mark D. Mariska. illus Mil Rev 52:32-39 Mar '72
- Strategic deterrence up 16% to meet continued Soviet threat. Brooke Nihart. Armed Forces J 109:45-46 Mar '72
- Strategic options and total force concepts. Interview. Gen George S. Brown. illus AF Mag 55:39-44 May '72

DETERRENCE - Continued

- Strategic preparedness. Gen Bruce K. Holloway, Ret. illus Ordnance 57:48-50 Jul-Aug '72
- Strategic sufficiency: A question of faith? Colin S. Gray. illus AF Mag 55:27-32 Apr '72
- A strategy of flexible response. LtCol Peter F. Witteried. illus Parameters 2:2-16 Spring-Summer '72
- Summit and SALT (4 views). illus Sea Power pt 1, Effect of the pacts on U.S. security. Lawrence Griswold. 15:10+; pt 2, Moscow--then and now. George W. Healy, Jr. 15:11-12; pt 3, SALT: Some basic questions. Henry M. Jackson. 15:18-19; pt 4, Spy satellites will monitor pacts. William Beecher. 15:20-24 Jul-Aug '72
- The thrust of the Nixon doctrine. Col Richard M. Jennings. illus Mil Rev 52:3-9 Feb '72
- The triad... plus 'one.' Col Sheldon I. Godkin. illus AF Mag 55:48-53 Nov '72
- USAFE: Responsibilities, up; defense budgets, down. John L. Frisbee. illus AF Mag 55:35-41 Feb '72
- U.S. military strategy in the 1970s. (Address, Strategic and Defense Studies Centre, Australian National University, Canberra, March 13, 1972) MajGen Robert N. Ginsburgh. AF Pcly Ltr for Comdrs: Sup No. 6:7-16 Jun '72
- United States strategic and tactical Air Forces--today and tomorrow. Gen John D. Ryan. illus NATO's Fifteen Nations 17:16-19+ Aug-Sep '72
- What is "the realistic deterrence strategy?" (Address, Young Executives Seminar, Houston, Tex, May 12, 1972) Melvin R. Laird. AF Pcly Ltr for Comdrs: Sup No. 8:30-31 Aug '72

DICKMAN, Joseph L.

- Defense Nuclear Agency: A reason for being. MajGen Joseph L. Dickman. por Govt Exec 4:32-34+ Jan '72

DIESEL ENGINES

- Closed cycle diesel power-psychrocycle. Charles B. Totten. illus AF Civil Engr 13:26-28 May '72
- More consistent generator power for base facilities. (Deterioration of diesel engine cylinder liners) Ernest G. Huber. illus AF Civil Engr 13:25-26 Nov '72
- A new concept in military engines: The Rolls-Royce Wankel diesel. R.M. Ogorkiewicz. illus tab Intl Def Rev 5:169-171 Apr '72
- Why a four-stroke diesel engine? LtCol B. Gruzdev. illus Soviet Mil Rev No. 5:34-35 May '72

DIGITAL COMMUNICATIONS

- Army tactical communications capabilities. MajGen George E. Pickett. illus Signal 26:29-32 Jan-Feb '72
- Army tactical data systems. (Address, AFCEA, Washington, June 7, 1972) BrigGen Albert B. Crawford, Jr. illus Signal 27:17-19 Sep '72
- A digital data rate reduction technique. Frank Chiffy and others. illus tabs Signal pt 1, 26:28-31 May '72
- Digital modules: New developments for Navy standard hardware program. H.G. Wolfe. illus tabs Signal 26:43-46 Jan-Feb '72

DIGITAL COMMUNICATIONS - Continued

- Digital systems in support of naval requirements. (Address, AFCEA, Washington, June 8, 1972) RADM Joseph E. Rice. Signal 26:53-54 Jul-Aug '72
- Digital systems in the strategic context and DCA planning activities. (Address, AFCEA, Washington, June 8, 1972) BrigGen Herbert A. Schulke, Jr. Signal 26:54-56 Jul-Aug '72
- Digital television transmission with power and bandwidth efficiency. F.A. Perkins and J.A. Proctor. illus Signal 27:25-28+ Oct '72
- Digitization--the breakthrough in tactical communications. (Address, AFCEA, Washington, June 8, 1972) MajGen Harold A. Kissinger. illus Signal 26:51-53 Jul-Aug '72
- (Display system Totalscope II for air intelligence support) illus Signal 27:54 Dec '72
- Evolution not revolution--electronic data communications. James M. Osborne. illus Signal 26:77-78+ Jun '72
- F-111 digital attack set. Capt Don Henry. illus (Also cutaway) USAF Ftr Wpns Rev, pp 24-32, Spring '72
- GTE Sylvania's PSP (Programmable Signal Processor): Fast and flexible signal processing. Harold J. Manley. illus tab Signal 26:12-14 Jan-Feb '72
- How computers will fly tomorrow's airplanes. Interview. BrigGen K.R. Chapman. illus AF Mag 55:28-35 Jul '72
- Impact of technology trends on future communication and information handling systems. (Address, AFCEA, Washington, June 6, 1972) Carmen Palermo. illus Signal 26:39-40 Jul-Aug '72
- Integrated weapon concept. H. E. Brown. illus Ordnance 57:144-146 Sep-Oct '72
- (Remote blackboard--handwritten information over telephone) Signal 26:120 Jan-Feb '72
- Trends in communications and data handling systems in the DCS. (Address, AFCEA, Washington, June 6, 1972) BrigGen Lewis S. Norman, Jr. Signal 26:37-39 Jul-Aug '72

DIPLOMACY

- Arms and diplomacy. (Address, Royal Military College, Canberra, Australia, March 14, 1972) MajGen Robert N. Ginsburgh. AF Plcy Ltr for Comdrs: Sup No. 7:6-10 Jul '72
- Friendly visit (of Egypt's ColGen Mohammed Ahmed Sadek to the USSR). illus Soviet Mil Rev No. 8: 56-57 Aug '72
- Naval diplomacy and the failure of balanced security in the Far East--1921-1935. LCDR William S. Johnson. illus Nav War Col Rev 24:67-88 Feb '72
- The need for a new U.S. policy toward Cuba in the 1970's. CAPT O.K. Hallam. tabs Forum No. 13: 52-69 Fall '71; Adaptation. Nav War Col Rev 24: 1-15 Mar '72

DIPLOMATIC AND CONSULAR SERVICE

- Foreign Service RIFs examined after tragedy, protection considered. Ed Gates. AF Times 32:13 Jan 5 '72

DIRECTION-FINDING EQUIPMENT

- DF'ING (Direction Finding) using short baseline TOA (Time Of Arrival) techniques. C.G. Brown. illus Elect Warfare 4:14-15+ Summer '72
- Heliborne doppler. John Woodworth. illus tab Elect Warfare 4:12+ Convention Issue '72
- Monopulse direction finding. L. G. Bullock and others. illus Elect Warfare pt 1, 4:34+ Winter '72; pt 2, 4:12-13+ Spring '72
- Small sample method for rapid CEP (Circular Error Probable). Donald H. McElhowe and Robert D. Tortora. illus Elect Warfare 4:6-7 Spring '72

DIRECTIVES

- Disposition instructions in Air Force directives. TIG Brief 24:16 Apr 7 '72
- New Air Force directive (AFR 30-19) on drug abuse. AF Plcy Ltr for Comdrs: Sup No. 5:29 May '72

DISARMAMENT

- Arms control and disarmament. Peter F.W. Kerr, Marquess of Lothian. illus RUSI J for Def Studies 117:12-19 Mar '72
- Woodrow Wilson and disarmament: Ideas vs realities. Richard Dean Burns and Donald Urquidi. illus Aerosp Hist 18:186-194 Dec '71

DISASTER CONTROL

- The Agnes disaster. MajGen Richard H. Groves. tab illus maps Mil Engr pt 1, The storm. 64:380-384; pt 2, Engineer emergency activity. 64:385-387 Nov-Dec '72
- Base flooding by seasonal rains solved (at McClellan AFB, Calif). Sam S. Nigro. illus AF Civil Engr 13:16-17+ Nov '72
- Disaster preparedness inspection guide. TIG Brief 24:11-12 Nov 24 '72
- A new dimension in civil defense. TIG Brief 24:10 Nov 24 '72
- On using swords as plowshares. illus AF Times pt 1, The dust off dividend (Military Assistance to Safety and Traffic (MAST)). Andrew Schneider. Family sup:8+; pt 2, Peaceful uses of military forces. Albert D. Biderman. Family sup:9+ Oct 18 '72
- Planning disasters. illus AF Times 33:31 Sep 6 '72

DISASTERS

- See also  
Hurricanes  
Typhoons

- The Agnes disaster. MajGen Richard H. Groves. tab illus maps Mil Engr pt 1, The storm. 64:380-384; pt 2, Engineer emergency activity. 64:385-387 Nov-Dec '72
- Citizen-soldiers lend a helping hand. illus Army 22:26-28 Apr '72
- File: Unusual incidents subject: Tropical storm Agnes. Harold L. Craven. illus Translog 3:2-7 Aug '72
- Helicopters give aid in Peruvian floods. AF Times 32:53 May 24 '72
- In a time of need. (ARNG aids West Virginia flood victims) 1stLt Luther L. Walker. illus Natl Guardsman 26:2-9 Apr '72



DISASTERS - Continued

One Army team works in West Virginia. CWO Michael Lopez. illus USA Avn Dig 18:26-27 May '72

Pick up the pieces. (West Virginia ARNG aids flood victims) Lt Luther L. Walker. illus Soldiers 27: 41-42 Jun '72

Power to the people. Capt Charles C. McCloskey III and Norman J. Brodoski. illus Mil Engr 64:388-390 Nov-Dec '72

Tax break given in disasters. AF Times 32:46 Jul 26 '72

"They couldn't say 'thank you' enough." (The National Guard and the Rapid City, SD flood) illus Natl Guardsman 26:8-12 Jul '72

U.S., Philippines unite to provide giant flood aid. illus AF Times 33:28 Aug 30 '72

The war against water. (ANG and ARNG rescue work after Hurricane Agnes) illus Natl Guardsman 26: 2-9+ Aug-Sep '72

DISCHARGES, RELEASES AND SEPARATIONS

See also  
Reduction in Force  
Retirement

Air Force

AFA grads lose early-out bid. George Foster. AF Times 32:1+ Jul 26 '72

Academy grad COs win court round. George Foster. AF Times 33:1+ Aug 30 '72

Academy '71' lose bids for early-outs. AF Times 33:8 Aug 16 '72

Administrative separation of Air Force commissioned and warrant officers. TIG Brief 24:9 May 5 '72

Airmen separated from active military service. TIG Brief 24:15-16 Jun 30 '72

CO (Conscientious Objectors) bids, releases up. AF Times 33:3 Sep 6 '72

Court upsets BCD (Bad Conduct Discharge for A1C Charles E. Mack), rules search illegal. AF Times 33:10 Sep 27 '72

Departure of airmen spurred. AF Times 32:3 Apr 12 '72

EM early outs rank low as option in cutbacks. Bruce Callander. AF Times 33:1+ Nov 1 '72

EM Palace Chase bids suspended. AF Times 33:8 Dec 20 '72

Early-out carries some peril for EM. AF Times 33:2 Dec 20 '72

Early-out eligibility expanded. AF Times 32:2 Apr 5 '72

Early-out offered to non-rated. AF Times 33:1+ Nov 1 '72

Early outs deplete club officer ranks. AF Times 33:6 Oct 25 '72

Early releases off for 90 days. AF Times 32:3 May 31 '72

18,000 EM get early-out offer--first-term men in U.S. eligible. Bruce Callander. AF Times 33:1+ Dec 13 '72

Expectant dad rule extends EM o'seas. AF Times 32:6 May 31 '72

DISCHARGES, RELEASES, AND SEPARATIONS - ContinuedAir Force - Cont'd

Few officers accept early-out offer. George Foster. AF Times 32:1+ Jan 19 '72

59 units open to Palace Chase. AF Times 33:23 Sep 13 '72

Five AF cases put to high court--three set for hearing. George Foster. AF Times 33:13 Nov 22 '72

Forced-out WAF (Lt Erika Uehlinger) sues to return--witchcraft an issue. AF Times 32:6 Jun 28 '72

Guard, Reserve bids broadened in 'Chase.' AF Times 33:10 Aug 30 '72

Leaving early can cost cash--bonus recoupment possible. AF Times 33:10 Nov 1 '72

Manning policy to hit some hard. AF Times 33:41 Sep 13 '72

Many leaving overpaid. AF Times 32:2 Jun 14 '72

Mixup explained over outs program. AF Times 33:3 Dec 27 '72

More cuts seen for officers. AF Times 32:1+ Jul 12 '72

More EM get early release. AF Times 32:3 May 10 '72

More early outs OK for non-rated. AF Times 33:3 Aug 30 '72

More get early out eligibility. AF Times 32:2 Apr 26 '72

More on early outs. AF Times 33:10 Dec 27 '72

New 'early out' benefits some SEA vets. AF Times 32:55 May 17 '72

New 'outs' slated--more officer force cuts. George Foster. AF Times 32:1+ Mar 22 '72

New requirement added to Palace Chase. AF Times 33:22 Nov 1 '72

Officer early outs gain fast response. George Foster. AF Times 32:4 Mar 1 '72

Officer 'outs' offer widens--many spurn it. George Foster. AF Times 32:1+ Feb 9 '72

Officers may remain if wives are pregnant. AF Times 32:11 May 24 '72

Option rules reach field. (Separation-retirement in lieu of PCS) AF Times 32:19 Apr 12 '72

Palace Chase AFSCs listed. AF Times 33:22 Sep 20 '72

'Palace Chase' lists 14 state openings. AF Times 33:10 Oct 18 '72

Palace Chase, unit shifts overlap--8,000 want Reserve transfers. AF Times 32:55 Apr 19 '72

Pregnancy rules force most WAF to leave--can return later. AF Times 32:17 Jun 7 '72

Pregnant WAF (1stLt Mary S. Gutierrez) loses in court. AF Times 33:44 Aug 23 '72

Retired plan includes severance. AF Times 33:3 Oct 25 '72

Rules explained for staying in (beyond established dates of separation). AF Times 33:5 Sep 20 '72

Ruling lets notaries remain as officers. AF Times 32:3 May 24 '72



DISCHARGES, RELEASES, AND SEPARATIONS

Continued

Air Force - Cont'd

- Separation policy--married WAF given break. AF Times 32:3 Jul 5 '72
- Specified period of time contract. TIG Brief 24:8 Oct 27 '72
- 3 pregnancy waivers granted (Capt Susan Struck, Lt Mary Gutierrez and A1C Gloria D. Robinson). AF Times 33:15 Dec 27 '72
- Top court hears pregnancy appeal (of Capt Susan Struck). AF Times 33:4 Nov 8 '72
- Transfers to AFRes mounting. AF Times 32:5 Apr 26 '72
- 2,700 in line to leave early--transfer to Reserves. AF Times 32:1+ Apr 5 '72
- 2 Academy grads ask immediate out. AF Times 33:4 Dec 20 '72
- 205 officers forced out. George Foster. AF Times 32:1+ Jun 14 '72
- 219 WAF stay, though pregnant. AF Times 33:4 Aug 16 '72
- 2 new plans let EM leave early. Bruce Callander. AF Times 32:1+ Mar 15 '72
- Units open under Palace Chase for eligibles--one to six years required by shift. AF Times 32:4 Apr 5 '72
- Unsatisfied indebtedness on final separation from the Air Force. TIG Brief 24:5 Jul 14 '72
- 'Upgraded' discharge proves hard to get. tab AF Times 32:1+ Apr 26 '72

Statistics

- Expected losses for '73 outlined (in) budget hearings. AF Times 32:15 Jul 19 '72
- FY-72 exits hit 13,471 officers. AF Times 33:20 Oct 4 '72

Armed Forces

- Exit bonus would ease involuntary separations. Ed Gates. AF Times 33:1+ Nov 15 '72
- 'Secret' tag put on SPN (Separation Program Number). AF Times 33:2 Dec 6 '72
- Separation ends CHAMPUS eligibility. Ruth Chandler. AF Times 32:13 Feb 16 '72
- Severance pay plan: Bird in the hand or 2 in a bush... AF Times 33:4 Nov 1 '72

Army

- Homecoming. (25,000 Army troops processed out of Europe) Pat Thomasson. illus Translog 3:19-23 Mar '72
- The undesirable discharge: Administrative tool or back-door court? Capt Jack F. Lane, Jr. illus Army 22:19-23 Nov '72

Reserve Officers Training Corps--Air Force

- Enlistment and discharge of AFROTC cadets. TIG Brief 24:7 Dec 22 '72

DISCIPLINE, MILITARY

- Are Z-grains backfiring? Col R. D. Heintz, Jr. Armed Forces J 110:29 Dec '72
- The art of command. (Lecture, Naval War College) ADM Arleigh A. Burke, Ret. illus Nav War Col Rev 24:24-28 Jun '72

DISCIPLINE, MILITARY - Continued

- Making men of misfits (at Lowry AFB, Colo). (Adapted from Parade Magazine, May 7, 1972) TIG Brief 24:2 Jul 14 '72
- Military principles and flexibilities: A responsive policy for change. LtCol Russell A. Turner II. AU Rev 23:76-80 Jul-Aug '72
- Of justice, equal opportunity, and discipline. L. Edgar Prina. illus Sea Power 15:30-31 Dec '72
- Survey shows Air Force members' views (on discipline, rules and regulations). AF Plcy Ltr for Comdrs: Sup No. 3:26-29 Mar '72
- A "tin soldier" is a good soldier. RADM Elliott B. Strauss, Ret. US Nav Inst Proc 98:94-97 Feb '72
- Volunteers a greater disciplinary problem? Armed Forces J 109:17-18 Jan '72

History

- The first Mutiny Act--its antecedents and some developments. R.E. Scouller. Army Qtr 102:330-337 Apr '72
- The Steuben legacy. John Leach. illus Infantry 62: 14-16 Jan-Feb '72

DISEASES

- Aeromedical considerations in the management of paranasal sinus barotrauma. J.P. Smith and D.E. Furry. tabs Aerosp Med 43:1031-1033 Sep '72
- Control of communicable diseases. TIG Brief 24:5 Oct 13 '72
- 'Desperate diseases demand desperate remedies'--a special report from USAF's Wilford Hall Medical Center (on total body perfusion). illus AF Mag 55:72-73 Jul '72
- Detour: Trouble ahead. (Alerting sickle cell carriers) SSgt Don Mallicoat. illus Soldiers 27:57-58 Mar '72
- Hazard rate of recurrence in germinal cell tumors of the testis. Fred G. Conrad and others. illus tabs Aerosp Med 43:893-897 Aug '72
- Hazard rate of symptomatic recurrence in Hodgkins Disease. Fred G. Conrad and others. tabs Aerosp Med 43:1020-1023 Sep '72
- Hazard rate of symptomatic recurrence in lymphosarcoma. Fred G. Conrad and others. tab Aerosp Med 43:1144-1146 Oct '72
- Keratoconus in USAF flying personnel. William E. Barry and Thomas J. Tredici. tabs Aerosp Med 43: 1027-1030 Sep '72
- Management of rabies exposure of operational aircrews. Royce Moser, Jr. Aerosp Med 43:778-781 Jul '72
- Medic (Dr (LtCol) Charles S. Thurston) battles pseudofolliculitis. illus AF Times 33:42 Aug 23 '72
- Medical treatment offered alcoholics. AF Times 32:2 Mar 22 '72
- Postexercise electrocardiograms, coronary heart disease, and airline pilots. Glen E. Garrison and Warren H. Gullen. illus Aerosp Med 43:86-91 Jan '72
- Primary prevention of atherosclerotic cardiovascular disease among Sabena flying personnel. P. Anet and others. illus Aerosp Med 43:1147-1149 Oct '72
- Pupillonia (Adie's pupil): Diagnosis and significance in fliers. David L. Epstein and Thomas J. Tredici. illus Aerosp Med 43:555-559 May '72

DISEASES - Continued

- Seabeds fight chicken disease. AF Times 32:52 Jun 7 '72
- 'Silent' SEA gonorrhea poses threat--infected show no symptoms. AF Times 33:21 Dec 6 '72
- TB found in 100 AFers--375,000 tested. AF Times 33:11 Dec 13 '72
- TB shows drop among veterans, VA reports. AF Times 33:50 Nov 29 '72
- USAFE fights sickle cell. AF Times 33:3 Oct 4 '72
- VD today. Owen J. Remington. illus Soldiers 27:34-40 Apr '72
- Veneral disease--modern day plague. TIG Brief 24:19-20 Jun 16 '72
- What's the scoop? How much gonorrhea does the Army have? Col Jerome H. Greenberg. illus Soldiers 27:40 Apr '72

DISPENSARIES

- Dispensary setup revised--now hospital or clinic. AF Times 33:51 Aug 30 '72

DISPERSAL, MILITARY

- See also  
Air Bases--Dispersion  
Industry--Dispersion

DISPLACED PERSONS see RefugeesDISPLAY SYSTEMS

- Controlling the computer information explosion. Maj Merrell S. Beebe and Lt Anthony Pavone. illus Signal 27:40-41 Oct '72
- (Display system Totalscope II for air intelligence support) illus Signal 27:54 Dec '72
- The evolution of head-up displays. John H. Smith. illus Interavia 27:858-860 Aug '72
- PMDS (Projected Map Display System) has arrived. Maj Bob Lawler. illus TAC Attack 12:24-25 Jun '72
- Radar displays. illus MAC Flyer 19:12-14 Jun '72

DISSENTERS

- Campus chaos. Maj Richard H. Esau, Jr. MarCor Gaz 56:37-40 Jun '72
- The protest at (Exercise) Snowy Beach. CDR Ralph W. Blanchard. illus US Nav Inst Proc 98:118-122 Jul '72
- Youth wants to "no!" Col Anthony L. Wermuth, Ret. illus US Nav Inst Proc 98:50-55 Jul '72

DISTANT EARLY WARNING SYSTEMS

- Alone with the screaming winds. (DEW) Sgt Dave Cole. illus Airman 16:3-7 Feb '72

DISTINGUISHED SERVICE MEDAL

- (MajGen Robert E. ) Pursley decorated. illus Armed Forces J 109:16 Jul '72

DIVERS AND DIVING

- Carbon monoxide intoxication presenting as air embolism in a diver: A case report. Fred A. Furgang. Aerosp Med 43:785-786 Jul '72
- Changes in the hemostatic system and in blood and urine chemistry of human subjects following decompression from a hyperbaric environment. R. B. Philp and others. tabs Aerosp Med 43:498-505 May '72

DIVERS AND DIVING - Continued

- Detection of gas bubbles in man at decompression. A. Evans and others. illus Aerosp Med 43:1095-1096 Oct '72
- Diver performance: Nitrogen narcosis and anxiety. F. M. Davis and others. illus tabs Aerosp Med 43:1079-1082 Oct '72
- EEG monitoring of a free-swimming diver at a working depth of 15 meters. J. R. Zweizig and others. illus Aerosp Med 43:403-407 Apr '72
- Effect of underwater breathing apparatus and absolute air pressure on divers' ventilatory capacity. J. B. Morrison and W. S. Butt. illus tabs Aerosp Med 43:881-886 Aug '72
- Effects of externally imposed mechanical resistance on breathing dense gas at exercise: Mechanics of breathing. Richard R. Uhl and others. illus tabs Aerosp Med 43:836-841 Aug '72
- Effects of immersion with the head above water on tissue nitrogen elimination in man. U. I. Balldin and C. E. G. Lundgren. illus tabs Aerosp Med 43:1101-1108 Oct '72
- Electroencephalographic changes during saturation excursion dives to a simulated sea water depth of 1,000 feet. L. D. Proctor and others. illus tabs Aerosp Med 43:867-877 Aug '72
- Narcotic effects in man of breathing 80-20 argon-oxygen and air under hyperbaric conditions. Barry Fowler and Kenneth N. Ackles. illus tabs Aerosp Med 43:1219-1224 Nov '72
- Observations on platelet changes in man after simulated diving. K. J. Martin and G. Nichols. illus Aerosp Med 43:827-830 Aug '72
- Operation Ms under the sea. (Tektite II) David Jacobson. illus Sea Power 15:29-32 Feb '72
- Precordial monitoring of pulmonary gas embolism and decompression bubbles. Merrill P. Spencer and Howard F. Clarke. illus Aerosp Med 43:762-767 Jul '72
- Pulmonary air-trapping induced by water immersion. Gunnar O. Dahlback and Claes E. G. Lundgren. illus tabs Aerosp Med 43:768-774 Jul '72
- Review of protective pharmacological agents in diving. P. B. Bennett. Aerosp Med 43:184-192 Feb '72
- Saturation diving. TMCM Robert C. Sheats, Ret. illus US Nav Inst Proc 98:54-61 Sep '72
- Some cardiorespiratory and metabolic responses of scuba divers to increased pressure and cold. C. Joe Russell and others. tabs Aerosp Med 43:998-1001 Sep '72
- Some considerations in establishing divers' breathing gas purity standards for carbon monoxide. Joseph D. Bloom. tabs Aerosp Med 43:633-636 Jun '72
- Some physiological responses to the stress of aqua-lung diving. F. M. Davis and others. illus tabs Aerosp Med 43:1083-1088 Oct '72
- Speech intelligibility during exercise at normal and increased atmospheric pressures. Thomas Murry and others. illus tab Aerosp Med 43:887-890 Aug '72
- Survival among sharks. LCDR E. Lewis Frasier, Ret. illus tab US Nav Inst Proc 98:42-49 Jan '72



DIXON, Robert J.

Air Force system of personnel management. (Address, Arnold Engineering Development Center Dining-In, Arnold AFS, Tenn, April 14, 1972) LtGen Robert J. Dixon. AF Plcy Ltr for Comdrs: Sup No. 7:11-17 Jul '72

TOPLINE--a personnel management plan. (Remarks, Dining In, Goose AB, Labrador, Aug 10, 1971) LtGen Robert J. Dixon. AF Plcy Ltr for Comdrs: Sup No. 1:8-15 Jan '72

DIZZINESS see Vertigo

DOCKS

Ammi--the underwater elevator. John G. Norris and Robert J. Boylan. illus Sea Power 15:24-27 Mar '72

The task was unprecedented--the story of the DeLong piers. James Ziccarelli. illus Def Trans J pt 1, 28:24-29 Mar-Apr '72; pt 2, 28:40-49 May-Jun '72

DOCTORS see Physicians

DOCTRINEArmed Forces--Germany

Faith in what cause? A survey of political and social doctrines in the Armies of the two German Republics. Dennis Chaplin. Army Qtr 102:34-46 Oct '71

Armed Forces--Russia

Foundations of the Soviet military doctrine. Col P. Sidorov. Soviet Mil Rev No. 9:14-15 Sep '72; Mil Rev 52:89-91 Dec '72

Armed Forces--U.S.

Unified logistics--an unholy alliance? LtCol Graham W. Rider. charts AF Mag 55:48-51 Mar '72

DOGS

Military working dogs. TIG Brief 24:20 Mar 10 '72

DOMESTIC ACTION PROGRAMSee also

Civic Action Program

Air Force's Dr John McLucas: "Burgeoning interest in Domestic Action Programs." illus Govt Exec 4:36 Oct '72

The Army and society. LtCol Frederic J. Brown. illus Mil Rev 52:3-17 Mar '72

Commitment to Defense Department human goals. (Reserve Components Domestic Action Program awards) illus Air Reservist 24:6-7 Jun '72

DOD policy on domestic action. (Remarks, Domestic Action Council, Washington, Dec 14, 1971) Melvin R. Laird. AF Plcy Ltr for Comdrs: Sup No. 3:13-15 Mar '72

Engineers (from Offutt AFB, Neb) aid Santee Sioux. Lt Richard L. Holman. illus AF Times 33:32 Aug 9 '72

Engineers in CONUS Civic Action. Capt James M. Cullem. Mil Engr 64:268 Jul-Aug '72

Flood relief... Civic Action works. illus Air Reservist 24:8-9 Aug-Sep '72

The Guard's strong, helping hands. illus Natl Guardsman 26:10-14+ Jan '72

Home front action. (Domestic Action project at Dobbins Heights, NC) SP4 Chuck Noland. illus Soldiers 27:23-26 May '72

DOMESTIC ACTION PROGRAM - Continued

In the public's service. illus Natl Guardsman 26:2-10 Oct '72

Kirtland (AFB, NM) aids Navajo tribe (in "Project Thunderbird"). Lt Jim O'Rourke. AF Times 32:34 May 24 '72

Mass inoculations. (Domestic Action Program of the Air Force Reservists, Lowell, Mass) Lou Osborne. illus Air Reservist 24:6-7 Feb '72

New ideas in community service (for Air Reserve and Air Guard units). Col Frank Martineau. illus Air Reservist 23:4-7 Dec '71-Jan '72

1971 Domestic Action Program highlights. AF Plcy Ltr for Comdrs: Sup No. 5:27-28 May '72

The other Air Force. (Various projects by AF people to aid their communities) Capt Gary A. Guimond. Airman 16:22 May '72

People count too! (Domestic Action Program) Thomas C. Steinhäuser. illus tabs Armed Forces J 109:38-41 Aug '72

Report on domestic action. AF Plcy Ltr for Comdrs: Sup No. 1:28-31 Jan '72

A 'shot' of care. (MAC Reservists conduct inoculation program, Lowell, Mass) Sgt Charles Wood. illus Airman 16:28-29 May '72

Toward a concept of military domestic action. LtCol William R. Corson, Ret. illus Nav War Col Rev 24:15-26 Apr '72

DOOLITTLE, James H.

By the end of the century... (Remarks, Wright Memorial Dinner, Aero Club of Washington, Dec 17, 1957) LtGen James H. Doolittle, Ret. (Reprinted from Air Force, March 1958) illus AF Mag 55: 84-86 Sep '72

DOSTER, George R., Jr

Justice charges ANGers. Len Famiglietti. AF Times 32:2 Mar 8 '72

DOUHET, Giulio

History or logic as approaches to strategy. K. Booth. illus RUSI J for Def Studies 117:34-39 Sep '72

DRAFT, MILITARY see Military Service, Compulsory

DRILL

The drill sergeant wore skirts. LtCol Tom Hamrick. illus Army 22:38-39+ Sep '72

Look up, soldier. (Sgt1C James Edward Boofter is Army's Outstanding Drill Sergeant for 1972) John Michael Coleman. illus Soldiers 27:40-42 Nov '72

Study and Teaching

Sugar 'n spice 'n DS (Drill Sergeant) stripes. SP4 Chuck Noland. illus Soldiers 27:14-15 May '72

DRONESSee also

Remotely Piloted Vehicles

RPVs: Skeet for the fleet. (Recovery of target drones) LCDR Donald A. Mohr. illus US Nav Inst Proc 98: 111-114 Oct '72

Reconnaissance 1972. John W. R. Taylor. illus Royal Air Forces Qtr 12:7-14 Spring '72



DRUG ADDICTS

Additional services in drug abuse education provided. TIG Brief 24:7-8 Apr 21 '72

Amnesty offered addicts (by AF). AF Times 32:4 Jul 5 '72

Check list for commanders and social action officers. TIG Brief 24:19 Feb 25 '72

Dependents to take tests for drug use. Randy Shoemaker. AF Times 32:1+ May 10 '72

Drugs: Some success. Capt John T. Correll. AF Mag 55:60-62 Aug '72

Encounter. (Chaplains talk with drug addicts) SSgt John C. Gundersdorf. illus Airman 16:23-25 Feb '72

GIs turn in drug abusers--attitude changes. AF Times 32:46 Jan 26 '72

How to avoid getting busted, and maybe even help your friends. 1stLt Tom H. Nagel. Contact 26: 10-11 May-Jun '72

No easy solutions to (Marine) Corps' drug problems. MarCor Gaz 56:6 Jan '72

They call him drug one. Interview. MajGen John W. Roberts. illus Airman 16:20-22 Feb '72

Rehabilitation

Drug rehab returns 1 in 3. AF Times 33:38 Dec 20 '72

Drugs: Some success. Capt John T. Correll. AF Mag 55:60-62 Aug '72

Easy start, hard stop. Sgt1C Jerry B. Shepherd. illus Soldiers 27:8-9 Jan '72

Emergency change to Limited Privileged Communication Program (LPCP). TIG Brief 24:18 Sep 15 '72

Getting clean. (Interview with Capt Prentice Thompson) Soldiers 27:8-9 Feb '72

A 'grassroots' look at the drug problem. Capt Andrew J. Bacevich, Jr. illus Army 22:25-27 Nov '72

The hard climb out. (USAF Special Treatment Center Lackland AFB, Tex) Ted R. Sturm. illus Airman 16:29-34 Feb '72

Limited privileged communication program. TIG Brief 24:4 Mar 24 '72

The needle and the bottle. Pauline Cheesborough. illus Soldiers 27:39-41 Sep '72

A needle in the Arm(y). S.G. Nilwar. illus Army 22:15-17 Jan '72

The 'other war' on drugs, alcohol. BrigGen Robert G. Gard, Jr. illus Army 22:107-108 Oct '72

Pre-release detoxification required for drug addicts. AF Times 32:38 Mar 29 '72

Rap House. SP4 Chuck Noland. illus Soldiers 27: 10-13 Feb '72

Schools in Pacific fight drug use. AF Times 32:18 Feb 9 '72

Special Treatment Center (Lackland AFB, Tex) gets encouraging reports on drug abusers. TIG Brief 24:3 Jul 28 '72

2,400 (Air Force) drug users seek rehabilitation. AF Times 32:8 Mar 8 '72

VA raps Congress in drug bill delay. Larry Phillips. AF Times 32:47 Jul 5 '72

Veterans drug help urged--Senate passes bill. AF Times 33:6 Sep 27 '72

DRUG ADDICTS - ContinuedStatistics

1% in SEA show signs of drug use. AF Times 33:4 Dec 6 '72

DRUGS

AF Form 579, "Ward alcoholics and narcotics register." TIG Brief 24:16 Sep 1 '72

The American soldier in Vietnam. Capt Barry R. McCaffrey. illus Soldiers 27:46-50 Jul '72

Army error haunts NCO (SSgt Donald L. Fryer) mislabeled as heroin user. AF Times 32:2 Apr 19 '72

Aviator performance and the use of hypnotic drugs. C. R. Harper and G. J. Kidera. Aerosp Med 43:197-199 Feb '72

Battle plan for drugs: A challenge to leadership. Interview. BrigGen Robert G. Gard, Jr. illus Soldiers 27:5-7 Feb '72

Check list for commanders and social action officers. TIG Brief 24:19 Feb 25 '72

The DOD-Customs alliance. Michel R. Scott. illus Translog 3:6-8 Mar '72

Drug conviction (of Maj Delbert W. Fleener) upheld. AF Times 32:22 Mar 15 '72

Drug education films now available. TIG Brief 24:7 Nov 10 '72

Drug knowledge and attitudes in the Army. LtCol John J. Hodge. illus Mil Rev 52:86-93 Jun '72

Drug test policy for no-shows. AF Pley Ltr for Comdrs: Sup No. 12:14 Dec '72

Drug test priorities arranged. AF Times 32:2 Mar 29 '72

Drug testing accuracy questioned by legislators. AF Times 33:48 Nov 1 '72

Drug testing approved. AF Times 32:6 Jun 28 '72

Drug traffickers face loss of vehicles. TIG Brief 24:16 Jan 28 '72

Drugs and the flying man. TIG Brief 24:15 Mar 24 '72

Drugs--dilemma of a commander. LtCol William J. Hilsman. Persp in Def Mgt, pp 75-77, Spring '72

Drugs--the "over-the-counter" culture. John Wilpers. Govt Exec 4:26-27 Jul '72

Effect of hydrochlorothiazide on +G<sub>z</sub> tolerance in normotensives. J. R. Pfaff and P. D. Newberry. illus tabs Aerosp Med 43:1225-1229 Nov '72

Hidden forms of drug abuse. Maj Barrett M. Maletzky. USA Avn Dig 18:8-11 Nov '72

How to avoid getting busted, and maybe even help your friends. 1stLt Tom H. Nagel. Contact 26: 10-11 May-Jun '72

Kin drug tests illegal--sort of. AF Times 33:21 Nov 15 '72

Legal drug abuse. (Self-medication) MajGen R. A. Patterson. Combat Crew 23:2-3 Jan '72

Marijuana by mail. Ted R. Sturm. Airman 16:35-36 Mar '72

National drug crisis: 1972--the year of the barbiturate. John Wilpers. Govt Exec 4:33+ Sep '72

A needle in the Arm(y). S.G. Nilwar. illus Army 22:15-17 Jan '72

DRUGS - Continued

- New Air Force directive (AFR 30-19) on drug abuse. AF Plcy Ltr for Comdrs: Sup No. 5:29 May '72
- New iron for NATO's backbone. (7th Army deals with internal problems) L. James Binder. illus Army 22:6-15 Jul '72
- No easy solutions to (Marine) Corps' drug problems. MarCor Gaz 56:6 Jan '72
- No-notice drug use tests set. Randy Shoemaker. AF Times 32:1+ Feb 2 '72
- Ocular complications of drug therapy. Thomas J. Tredici and David L. Epstein. Aerosp Med 43: 898-902 Aug '72
- 1% in SEA show signs of drug use. AF Times 33:4 Dec 6 '72
- The 'other war' on drugs, alcohol. BrigGen Robert G. Gard, Jr. illus Army 22:107-108 Oct '72
- Penalties for conviction of drug abuse overseas. TIG Brief 24:16 Sep 15 '72
- Prediction of flight safety hazards from drug induced performance decrements with alcohol as reference substance. Karl E. Klein. illus tab Aerosp Med 43:1207-1214 Nov '72
- Preventing shipment of contraband and drugs in the mails. TIG Brief 24:2 May 19 '72
- Primer on drugs--what they are, what they do. Sgt Dave Cole. Airman 16:36-38 Feb '72
- The pusherman knows and doesn't care. Sgt Dave Cole. illus Airman 16:26-28 Feb '72
- Reduction requested in marijuana penalty. AF Times 32:38 Mar 29 '72
- Rehearing denied in narcotics case. AF Times 32:11 Feb 9 '72
- Review of protective pharmacological agents indiving. P. B. Bennett. Aerosp Med 43:184-192 Feb '72
- SAC seminars discuss drug, race problems. AF Times 32:45 Apr 12 '72
- Schools in Pacific fight drug use. AF Times 32:18 Feb 9 '72
- Stilbestrol users receive warning. AF Times 33:33 Dec 27 '72
- Theory of antmotion sickness drug mechanisms. C. D. Wood and A. Graybiel. illus Aerosp Med 43: 249-252 Mar '72
- 30% of servicemen use marijuana, (HumRRO) study says. AF Times 32:10 Jun 21 '72
- Urinalysis testing cut. George Foster. AF Times 32:3 Aug 2 '72
- Warnings given on drugs--policies, penalties noted. AF Times 33:3 Sep 20 '72
- Wastin' in the hills. (Laughlin AFB, Tex and social problems) MSgt Loren B. Leonberger. illus Airman 16:11-14 Aug '72

Laws and Regulations

- Legal aspects of drug abuse. Capt I. O. Tottenham. illus MarCor Gaz 56:32-42 Dec '72

DRUGS - ContinuedStudy and Teaching

- Drug knowledge and attitudes in the Army. LtCol John J. Hodge. illus Mil Rev 52:86-93 Jun '72

Terminology

- Lingo of the drug scene. Soldiers 27:15 Feb '72

DRY DOCKS see DocksDUAL COMPENSATION

- Dual comp waiver asked for physicians. AF Times 32:5 May 24 '72

DUERK, Alene B.

- The admiral with the healer's hands--nurse director Alene Duerk. Robert J. Boylan. por Sea Power 15:36 Jun '72
- First woman becomes an admiral. Armed Forces J 109:11 Jun '72

DUNCAN, Charles K.

- The maritime equation--SACLANT in the 1970s. ADM Charles K. Duncan. por NATO's Fifteen Nations 17:28-35 Feb-Mar '72

DUST

- Maintenance of aircraft control system. LtCol V. Filimonov. illus Soviet Mil Rev No. 2:34-35 Feb '72

DUTY AND RESPONSIBILITY, MILITARY

- An Air Force professional--the base communications officer. MajGen Lee M. Paschall. illus Signal 26:48-50+ Jan-Feb '72
- The art of command. (Lecture, Naval War College) ADM Arleigh A. Burke, Ret. illus Nav War Col Rev 24:24-28 Jun '72
- Hero or liar--the curious case of LtCol Anthony B. Herbert, USA. Lee Ewing. illus AF Times, Family sup:8-13 Apr 19 '72
- The (LtCol Anthony B.) Herbert case and the record. (War crimes allegations and Army findings) Army 22:6-11 Feb '72
- New responsibilities of Air Force officers. Col Noel F. Parrish. (Reprinted from Air University Quarterly Review, Spring 1947) illus AU Rev 23:12-25 Mar-Apr '72
- Responsibilities of noncommissioned officers. TIG Brief 24:10 May 5 '72
- Something dark and bloody. (Court-martial of Col Oran K. Henderson for My Lai) illus AF Times, Family sup:1+ Dec 20 '72

DYSBARISM

- Blowup. (Dysbarism) illus Approach 17:26-30 May '72
- Dysbarism. LtCol Nicholas E. Barreca. illus USA Avn Dig pt 1, 18:4-9 Dec '72

ESP see Extrasensory Perception

EAKER, Ira C.

David Packard: Defense success. LtGen Ira C. Eaker  
Ret. AF Times 32:13 Jan 26 '72

Defense budgets: Ike, Nixon and McGovern). LtGen  
Ira C. Eaker, Ret. AF Times 33:13 Sep 6 '72

Defense leaders spell out threat. LtGen Ira C. Eaker,  
Ret. AF Times 32:13 Mar 15 '72

Draft produced non-pro Force. LtGen Ira C. Eaker,  
Ret. AF Times 33:13 Sep 27 '72

Fast burners upset (promotion) system. LtGen Ira C.  
Eaker, Ret. AF Times 33:13 Oct 4 '72

Foreign aid in jeopardy. LtGen Ira C. Eaker, Ret.  
AF Times 32:13 Apr 12 '72

How to stop airplane hijackings. LtGen Ira C. Eaker,  
Ret. AF Times 32:13 Jun 14 '72

(Increased military activity in South Vietnam) LtGen  
Ira C. Eaker, Ret. AF Times 32:13 Mar 1 '72

The need for NATO. LtGen Ira C. Eaker, Ret. AF  
Times 32:13 Aug 2 '72

Needed: More women in uniform. LtGen Ira C. Eaker,  
Ret. AF Times 33:13 Sep 13 '72

Nixon's cutbacks to start at home. LtGen Ira C.  
Eaker, Ret. AF Times 33:13 Dec 13 '72

Not the time for Defense cuts. LtGen Ira C. Eaker,  
Ret. AF Times 32:13 Jul 5 '72

POWs return. LtGen Ira C. Eaker, Ret. AF Times  
33:13 Oct 25 '72

Russia adds arms at cost of food. LtGen Ira C. Eaker,  
Ret. AF Times 33:13 Nov 1 '72

(SALT agreements reached by Nixon in Moscow)  
LtGen Ira C. Eaker, Ret. AF Times 32:10  
Jun 21 '72

Savings claimed in space shuttle. LtGen Ira C. Eaker,  
Ret. AF Times 32:13 Feb 2 '72

Security suffers during elections. LtGen Ira C. Eaker,  
Ret. AF Times 33:13 Sep 20 '72

Some memories of Winston Churchill. LtGen Ira C.  
Eaker, Ret. illus Aerosp Hist 19:120-124 Sep '72

USSR tipping balance. LtGen Ira C. Eaker, Ret. AF  
Times 32:13 Jan 5 '72

(U.S. loss of strategic superiority) LtGen Ira C.  
Eaker, Ret. AF Times 32:13 Feb 9 '72

Warsaw Pact outpaces NATO. LtGen Ira C. Eaker,  
Ret. AF Times 33:13 Aug 16 '72

Why North Vietnamese attack failed. LtGen Ira C.  
Eaker, Ret. AF Times 32:13 Jul 12 '72

EARS

Dysbarism. LtCol Nicholas E. Barreca. illus USA  
Avn Dig pt 1, 18:4-9 Dec '72

Stapedectomy: A threat to flying safety? Russell B.  
Rayman. tab Aerosp Med 43:545-550 May '72

Study of the feasibility of using perforated and split  
ear protectors in aircraft during flight. Vernon C.  
Bragg and Roy Danford, Jr. illus Aerosp Med 43:  
193-196 Feb '72

Vestibular illusions and how to whip them. Maj  
Bennett G. Owens, Jr. illus USA Avn Dig 18:12-15+  
May '72

Walk On Floor Eyes Closed (WOFEC): A new addition  
to an ataxia test battery. Alfred R. Fregly and  
others. illus tabs Aerosp Med 43:395-399 Apr '72

EARS - Continued

Which way is up. (Vertigo) Maj Bennett G. Owens, Jr  
illus USA Avn Dig 18:12-15 Apr '72

EARTH (PLANET)

Earth explored from space--"Salyut" program  
completed. B. Rodionov. Space World 1-3-99:16-17  
Mar '72

Earth's land masses linked by satellite triangulation.  
map Space World 1-3-99:18-19 Mar '72

Purdue University scientists report on moon rocks.  
Richard P. Smith. illus Space World 1-3-99:9-12  
Mar '72

What "tilted" the Earth? Oleg Borisov. Space World  
1-1-97:26-27 Jan '72

EARTHQUAKES see Disasters

EAVESDROPPING

Snooping wins in high court--civilians lose suit. AF  
Times 32:55 Jul 12 '72

ECCLES, Henry E.

From the notebook of (RADM) Henry E. Eccles (Ret).  
Regular feature in issues of Logistics Spectrum

ECOLOGY see Environment

ECONOMIC AID TO FOREIGN COUNTRIES

Foreign aid in jeopardy. LtGen Ira C. Eaker, Ret.  
AF Times 32:13 Apr 12 '72

Transportation procurement at A.I. D.: 300 million  
tons--some reminiscences. R. C. Duane. illus  
tabs Def Trans J 28:52-55 Jan-Feb '72

U.S. development assistance in the insurgency envi-  
ronment: Gulliver's coming out. (Lecture, Naval  
War College, 1971?) Allan E. Goodman. illus Nav  
War Col Rev 24:13-23 Feb '72

ECONOMIC ANALYSIS

Better federal coverage needed to improve national  
measurement. Jerome A. Mark. illus tabs Def  
Mgt J 8:12-15 Oct '72

Economic analysis. Col Edmund W. Edmonds. illus  
AF Compt 6:18-21 Apr '72

Financial management digest. Regular feature in  
some issues of Armed Forces Comptroller

Of horses and horseshoe nails--on the balance of  
forces and materiel support. LtCol Edward  
Stellini. illus AU Rev 23:26-39 Mar-Apr '72

ECONOMIC DEVELOPMENT

The development process and stability operations.  
Raymond J. Barrett. illus Mil Rev 52:58-68 Nov '72

The Eximbank (Export-Import Bank): A truly support-  
able enterprise. Earl W. Clark. illus Def Trans J  
28:56-61 Mar-Apr '72

ECONOMIC WARFARE

Vietnam's lesson in defence economics. John J.  
Clark. illus Royal United Svcs Inst for Def  
Studies J 116:36-40 Dec '71

ECONOMICS

Budget myths and realities. Claude Witze. AF Mag  
55:12-13 Oct '72

The European (Economic) Community. Jacques G.  
Maisonrouge. illus maps tabs Forum No.15:34-59  
Spring '72



ECONOMICS - Continued

Radical currents in political-economic theory. Martin Bronfenbrenner. Persp in Def Mgt, pp 68-76, Autumn '72

The strategic implications of international monetary reform. Thomas W.M. Smith. tab Forum No. 16: 26-48 Fall '72

Strategic implications of the growth of multinational enterprise--an overlooked opportunity for application of the indirect approach. LtCol Richard A. Bowen. map Forum No. 15:18-33 Spring '72

EDDY, Dayton W.

Dig before you dial. MajGen Dayton W. Eddy, Ret. tab Signal 26:38-39 Apr '72

EDGE, Robert L.

Future tactical communications requirements for the USAF. (Address, AFCEA, Washington, June 7, 1972) BrigGen Robert L. Edge. por Signal 27:13-14 Sep '72

EDUCATIONGreat Britain

The RAF Education Branch. (The first 25 years) GpCapt H.A. Probert and WgComdr C.W. Cox. Royal Air Forces Qtr 11:291-295 Winter '71

Russia

The Soviet universities: Dig narrow, dig deep. Susan Jacoby. (Adapted from Change Magazine, Nov 1971) illus AF Mag 55:40-45 Apr '72

United States

ATC's program for better educated civilians. Glen R. Barnard. illus tabs AF Compt 6:16-17+ Apr '72

The Armed Services associate degree program: A proposal. Capt Abbott A. Brayton. illus tab Mil Rev 52:90-94 Feb '72

Boost urged for Vietnam era GI Bill. AF Times 32:47 Jan 26 '72

The community college: Your place to begin. Col T.J. Saxon, Jr, Ret. MarCor Gaz 56:52-53 Feb '72

Education Act adds vets' benefits--effective March 1. AF Times 33:46 Dec 13 '72

Education supplement. AF Times 32:28p sup opposite p 32 Mar 8 '72; 32:28p sup opposite p 30 Jul 12 '72; 33:28p sup opposite p 30 Nov 8 '72

Educational funding guidelines hit field. AF Times 33:4 Sep 13 '72

GI Bill allowance boosted sharply. Larry Carney. AF Times 33:4 Oct 25 '72

GI Bill boost nears. AF Times 32:6 Feb 9 '72

GI Bill increase gains in House. Larry Carney. AF Times 32:1+ Mar 8 '72

Here's a full rundown of new GI Bill benefits. AF Times 33:55 Nov 8 '72

High school ROTC opened to girls. AF Times 32:41 Aug 2 '72

House votes raise in school payments. AF Times 32:10 Mar 22 '72

Increased payments (under GI Bill recommended). MarCor Gaz 56:7 Jan '72

Liberal GI Bill boost approved by Senate. Larry Carney. AF Times 33:4 Aug 16 '72

EDUCATION - ContinuedUnited States - Cont'd

1,047 named as AFIT selectees to attend (universities) in FY-1973. AF Times 32:5 Jan 19 '72

Senate unit OKs GI Bill increase. Larry Carney. AF Times 32:1+ Jul 5 '72

The Utah project. MSgt Billy J. Koscheski. USAF Instrs J 9:29-32 Winter '71-'72

Utah project--Air Force training goes civilian. illus AF Mag 55:69-72 Mar '72

VA reminders--kin failing to claim benefits. AF Times 33:22 Nov 15 '72

Vietnam veterans set GI Bill mark. AF Times 33:33 Sep 6 '72

Why can't the VA pay GI students on time? Thomas C. Steinhauser. Armed Forces J 109:34-36 Apr '72

Widows and students hopeful (for bills benefitting retirees and veterans). Armed Forces J 110:12 Sep '72

Windfall of service. (VA benefits) William G. Eddowes. illus Soldiers 27:17 Mar '72

Your future as a veteran. illus tabs AF Times pt 1, Yes, vets, some do care. Larry Carney. 32:5-6 Oct 13 '71; pt 2, On-duty Transition does help. Bob Schweitz. 32:5-6 Oct 20 '71; pt 3, VA benefits aren't automatic. Bill Drach and Louis Dorsch. 32:42-43 Oct 27 '71; pt 4, GI Bill 'student body' growing. Larry Carney. 32:42-43 Nov 3 '71; pt 5, Vet unemployment dips. Larry Carney. 32:41-42 Nov 10 '71; pt 6, Disability pay confusing. Mel Jones. 32:46-47 Nov 17 '71; pt 7, VA caters to 'new vet.' George Marker. 32:43-44 Nov 24 '71; pt 8, GI home buying gets new life. George Marker. 32:45-46 Dec 1 '71; pt 9, SGLI conversion tips. Bill Kreh. 32:50-51 Dec 8 '71; pt 10, The beneficiary snag. Ruth Chandler. 32:37 Dec 15 '71; pt 11, How 'bout the Reserves. Ed Gates. 32:30-31 Dec 22 '71; pt 12, Dear Congressman. Robert S. Horowitz. 32:29 Dec 29 '71; pt 13, Vet groups fill a void. Tony Hale. 32:31 Jan 5 '72

EDUCATION (DEPENDENTS)

Ellsworth (AFB, SD) faces loss of schools. AF Times 33:2 Dec 27 '72

Many kin o'seas due school aid. AF Times 33:44 Dec 13 '72

Schools in Pacific fight drug use. AF Times 32:18 Feb 9 '72

Services run big school system--175,350 o'sea kin in classes. Sue Toma. AF Times 32:23 Feb 2 '72

U.S. Army: Schoolmaster in Europe. Allen Dale Olson. illus Army 22:35-38 Jan '72

A Vietnam War issue Americans can unite on: State scholarship aid for POW/MIA children. Thomas C. Steinhauser. illus Armed Forces J 109:52-53 Mar '72

Wives get job stipend. AF Times 33:18 Dec 20 '72

EDUCATION, MILITARY see

Education, Scientific  
Education, Technical  
Education and Training

EDUCATION, SCIENTIFICSee also

Medical Education Program

EDUCATION, SCIENTIFIC - ContinuedAir Force--U.S.

College (Nebraska University College of Medicine) proposes medic aide plan. AF Times 32:17 May 24 '72

EM to become dental assistants--board choosing 15 for training. AF Times 32:8 Apr 12 '72

The enlisted 'docs.' (Physician's assistants train at School of Health Care Sciences, Sheppard AFB, Tex) MSgt Thom Andrews. illus Airman 16:44-47 Jun '72

Nurses to train as midwives--another step to aid doctors. AF Times 32:8 Jul 5 '72

The physician assistant. (Interview with Col Jerrold L. Wheaton) illus Interceptor 14:5-9 Apr '72

Army--U.S.

Physician's assistant: The Army's newest career field. Sgtl C D. Mallicoat. illus Soldiers 27:45 Nov '72

United States

Emergency!! (Emergency Medical services Technician--EMT) Sgtl C D. Mallicoat. illus Soldiers 27:43-44 Nov '72

EDUCATION, TECHNICALSee also

Medical Education Program  
Retraining Program

Air Force--U.S.See also

Air Force Technical Training Centers  
Community College of the Air Force  
Mobile Training Units  
Utah Project

Education aims--new Community College points way to changes. Bruce Callander. AF Times 33:13 Dec 20 '72

Learning by doing. (Life support systems training at Chanute Technical School) Gerald F. Klein and Ronald D. Hess. illus USAF Instrs J 9:15-20 Spring '72

Many training courses cut. Bob Towle. AF Times 33:1+ Nov 15 '72

Armed Forces--Russia

Officer's technical efficiency. LtCol Y. Kirshin. illus Soviet Mil Rev No. 6:28-29 Jun '72

Army--Russia

Technical training. Col P. Simchenkov. illus Soviet Mil Rev No. 7:24-26 Jul '72

Army--U.S.

Tailored training package: An answer to the electronics avalanche. Edgar S. Wright. illus Signal 27: 11-13 Nov '72

EDUCATION AND TRAININGSee also

On-the-Job Training  
Retraining Program  
Training Aids

also specific types of centers and schools, e.g.,  
Management Centers and Schools  
Medical Centers and Schools

Transportation Centers and Schools

also as a subdivision under specific subjects,  
e.g.,  
Pilots--Education and Training

EDUCATION AND TRAINING - ContinuedAir Force--Germany (Federal Republic)

Di Luftwaffe--cactus country good citizens. Col Barney Oldfield, Ret. illus NATO's Fifteen Nations 17:94-99 Aug-Sep '72

Air Force--Great Britain

Management training and the Royal Air Force.  
WgComdr R. W. Lomas. illus Hawk No. 33:53-59 Feb '72

The RAF Education Branch. (The first 25 years)  
GpCapt H. A. Probert and WgComdr C. W. Cox.  
Royal Air Forces Qtr 11:291-295 Winter '71

Sixty years of flying history. (Central Flying School)  
Air Commodore F. S. Hazlewood. Royal Air Forces Qtr 12:31-35 Spring '72

Air Force--U.S.See also

Aerospace Research Pilot School  
Air Force Academy  
Air Force Institute of Technology  
Air Force Technical Training Centers  
Air Training Command  
Air War College  
Airman Education and Commissioning Program  
Community College of the Air Force  
Extension Course Institute  
Flight Training  
Minuteman Education Program  
Missile Training  
Officer Training School  
Squadron Officer School

also subdivision Education and Training under the following subjects,  
Air Crews--Education and Training  
Navigators--Education and Training  
Pilots--Education and Training

ADC begins new program--commanders attend course. AF Times 32:51 Feb 16 '72

AF captains train at high level. (ASTRA, Air Staff TRAining program) Armed Forces J 109:8 Jun '72

AFO (Accounting & Finance Officer) training--our most critical course? Capt Kenneth W. Baker. illus AF Compt 6:15+ Apr '72

The Air Force role in vocational education. (Address, Armed Forces Day Luncheon, Phoenix, Ariz, May 18, 1972) LtGen G. B. Simler. AF Pley Ltr for Comdrs: Sup No. 8:19-23 Aug '72

Air Force sets equal opportunity goals. TIG Brief 24:1 Jul 14 '72

Basic training work extends beyond Lackland (AFB, Tex). AF Times 32:50 Mar 1 '72

Blue-suiters quit hostile campuses. AF Times 32:9 Mar 1 '72

Change is for leaders. (Address, Arnold Air Society Dining-In, Purdue University, Lafayette, Ind, Dec 10, 1971) BrigGen William H. Best, Jr. AF Pley Ltr for Comdrs: Sup No. 3:7-12 Mar '72

Educating and training America's youth. (Address, Georgia Retired Officers Assoc Convention Banquet, Savannah, Oct 13, 1972) MajGen John R. Murphy. AF Pley Ltr for Comdrs: Sup No. 12: 7-13 Dec '72

Education and training unlimited. Interview. MajGen John B. Kidd. illus Airman 16:16-20 Jul '72



EDUCATION AND TRAINING - ContinuedAir Force--U.S. - Cont'd

GMT (General Military Training) plan shuffled, test out. George Foster. AF Times 32:1+ May 24 '72

The HORSE is not dead: How to employ RED HORSE in the CONUS. Maj John L. Moore. illus tab AF Civil Engr 13:1-5+ Aug '72

Navigator training overhauled. (Interview with Col J. L. Price, Jr) Ted R. Sturm. illus Airman 16:42-43 Aug '72

Quest for the best. (Interview with Col J. L. Price, Jr) illus Airman 16:37-38 Sep '72

Schools go collegiate--training units change names. AF Times 33:19 Aug 16 '72

USAF formal schools catalog. TIG Brief 24:6 Oct 27 '72

The whole man? A look at the neglected half of Air Force education. LtCol William L. Anderson. AU Rev 23:60-65 Sep-Oct '72

Costs

ATC: Multibillion dollar 'classroom.' AF Times 32:13 Apr 26 '72

Armed Forces

Military academies and the challenge of the seventies. LtGen Lam Quang Thi. illus Mil Rev 52:90-93 Mar '72

Armed Forces--Cambodia

Will training be enough? (Cambodian and U.S. instructors speak alternately during a training lecture at Long Hai) Jac Weller. illus Review 52:14-16+ Sep-Oct '72

Armed Forces--Russia

Love for equipment. Capt V. Demyanov. illus Soviet Mil Rev No. 8:37-39 Aug '72

Propagandist. A. Morozov and G. Timokhin. illus Soviet Mil Rev No. 1:40-43 Jan '72

Soviet maneuvers: Summer 1971. Maj John F. Meehan III. illus Mil Rev 52:14-21 Apr '72

The training of the Soviet soldier: A review of recent theory and practice. John Erickson. illus Royal United Svcs Inst for Def Studies J 116:45-48+ Dec '71

Armed Forces--U.S.See also

Armed Forces Staff College

The Armed Services associate degree program: A proposal. Capt Abbott A. Brayton. illus tab Mil Rev 52:90-94 Feb '72

Brutality (of the American military; a Soviet view). Col M. Gusev. illus Soviet Mil Rev No. 9:56-57 Sep '72

Education for leadership. Maj Henry G. Gole. illus MarCor Gaz 56:18-26 Dec '72

Education supplement. AF Times 32:28p sup opposite p 32 Mar 8 '72; 32:28p sup opposite p 30 Jul 12 '72; 33:28p sup opposite p 30 Nov 8, '72

Costs

House eyes training cost--full cost unknown. AF Times 32:10 Jul 19 '72

EDUCATION AND TRAINING - ContinuedArmed Forces--Vietnam (Republic)

Hope for the future. (South Vietnam's Military Academy) Jac Weller. illus Natl Guardsman 26:2-7+ Jul '72

The vital element in Vietnamization: RVNAF training. Jac Weller. illus Mil Rev 52:35-49 Oct '72

Army--Germany (Federal Republic)

The East German Army: Training by motivation. Dennis Chaplin. RUSI J for Def Studies 117:62-65 Sep '72

Army--Great Britain

Adventurous training British style. Col Norman L. Dodd, Ret. illus Infantry 62:40-42 Nov-Dec '72

The British Infantry of the seventies. Col Norman L. Dodd, Ret. illus Infantry 62:16-22 Jul-Aug '72

George Knight Clowes Memorial Prize Essay, 1971: (Training soldiers to be self-sufficient). Lt E. A. Smith. Army Qtr 102:475-482 Jul '72

Sandhurst and after. (Training toward commissions in the British Army) Editorial. Army Qtr 102:391-394 Jul '72

Army--Russia

Acting expertly in darkness. R. Kabirov. illus Soviet Mil Rev No. 1:28-29 Jan '72

Fighting experience and combat training. Gen I. Pavlovsky. illus Soviet Mil Rev No. 5:2-5 May '72

Instruction in machine-gun firing. Col S. Prokhorov. Soviet Mil Rev No. 2:19-20 Feb '72

Meeting engagement of a battalion. Col V. Petrukhin. illus Soviet Mil Rev No. 5:15-17 May '72

Officer training in a battalion. Col M. Strigotsky. Soviet Mil Rev No. 4:22-23 Apr '72

Teamwork (in an artillery battery). LtCol I. Tsvetkov. Soviet Mil Rev No. 4:24-25 Apr '72

Army--U.S.See also

Armor--Education and Training  
Armored Centers and Schools  
Army Field Artillery School  
Army War College  
Command and General Staff College  
Infantry Centers and Schools  
Military Academy, West Point, NY  
Quartermaster Centers and Schools

The acute need for simulation command training. Col Wesley W. Yale, Ret. illus Mil Rev 52:38-44 Dec '72

Adventure training at the 197th Infantry Brigade (Fort Benning, Ga). Lt Alex Angelle. illus Infantry 62:38-39 Nov-Dec '72

Adventure training--new way to mix an old stew. Sgtl C D. Mallicoat. illus Soldiers 27:24-27 Dec '72

Adventures in Military Associated Sports Program. Capt Ronald W. Cullumber. illus Infantry 62:34-35 Nov-Dec '72

Aggressor: A new appraisal of an old enemy. Maj Hal G. Mann. illus Infantry 62:42-44 Jul-Aug '72

Dynamic training Arctic style: A report from Alaska. Col John A. Bender. illus Infantry 62:36-37 Nov-Dec '72



EDUCATION AND TRAINING - ContinuedArmy--U.S. - Cont'd

- The focus in 1972 is on people. LtGen Walter T. Kerwin, Jr. illus Army 22:89-93 Oct '72
- Intelligence instinct can be developed. Maj James B. Channon. illus Infantry 62:28-31 May-Jun '72
- Meeting the challenge of coalition security. LtCols Zeb B. Bradford, Jr and Frederic J. Brown. illus Mil Rev 52:4-19 Jun '72
- NCO education system: Career development. Capt Thomas P. Curtin. Infantry 62:42-43 May-Jun '72
- NCOES (NonCommissioned Officer Education System). illus USA Avn Dig 18: inside back cover May '72
- New regiments, new divisions. John Pettit West III and William Kyer West. illus Mil Rev 52:34-42 May '72
- Orienteering. Maj Robert L. Sloane. illus map Armor 81:20-23 Nov-Dec '72
- A point of view. (Career development for aviation warrant officers) CW4 Robert Meade. illus USA Avn Dig 18:6-9 Apr '72
- Pros (B Co, 75th Rangers) at the survival game. Barney Halloran. illus Soldiers 27:21-23 Jul '72
- Ranger training: A part of the Army's future? Capts Warren D. Garlock and Michael L. Lanning. illus Infantry 62:28-30 Nov-Dec '72
- A self-fulfilling prophesy. Lawrence R. Crane. Infantry 62:52-53 Nov-Dec '72
- So you want good training. MajGen Edward Bautz, Jr. illus Armor 81:8-11 Nov-Dec '72
- Solutions from experience--the V Corps 'Operation Bootstrap.' PFC John G. Kelso. illus Army 22:40-44 Jul '72
- Step up in service. (Army Education Program) SP4 Chuck Noland. illus Soldiers 27:30-33 Aug '72
- TEWT (Tactical Exercise Without Troops). Maj Joseph Keyes and Terry Gee. illus Infantry 62: 44-46 Sep-Oct '72
- Television Division: Office of the Director of Instruction. 1stLts Paul Bahan and Michael Seymour. illus Fld Artilleryman No. 49:51-58 Feb '72
- Vast CONARC: Forger of men and new ideas. Gen Ralph E. Haines, Jr. illus Army 22:26-33 Oct '72
- What is military science? LtCol Henry G. Phillips, Ret. illus Mil Rev 52:35-41 Nov '72

Army--Vietnam (Republic)

- Vietnamese recruits become tacticians (at the Quang Trung National Training Center). BrigGen Stan L. McClellan. illus Infantry 62:18-19 Sep-Oct '72

Marine Corps--Russia

- Soviet Marines. MajGen R. Melnikov. illus Soviet Mil Rev No. 6:5-7 Jun '72

Marine Corps--U.S.See also

- Marine Corps Development and Education Command
- Choosing an artillery school. Capt Merrill L. Bartlett, MarCor Gaz 56:53-54 Apr '72

- Education and training. Regular feature in some issues of Marine Corps Gazette

EDUCATION AND TRAINING - ContinuedMarine Corps--U.S. - Cont'd

- Essential subjects training. MGySgt R. J. Reynolds and GySgt R. R. Sorensen. illus MarCor Gaz 56: 23-29 Jul '72
- Flexible response and the Marine Corps. LtCol A. E. Andersen. illus MarCor Gaz 56:40-44 Jan '72
- Four-step training program. Maj G. R. Christmas and Capt P. K. Van Riper. MarCor Gaz 56:12-13 Oct '72
- PF training now essential. MarCor Gaz 56:2 Oct '72
- Parris Island revisited. Col Jeremiah O'Leary. illus MarCor Gaz 56:38-42 Sep '72
- Restore shipboard experience. Maj Malcolm E. Smith, Jr. illus MarCor Gaz 56:52-53 Jun '72
- Training those few good men. (Comment on article by Capt C. R. Stichter, MarCor Gaz, Oct 1971) Maj D. T. Dale. MarCor Gaz 56:46-47 Feb '72
- Youth wants to know--facts. (Comment on article by Capt C. R. Stichter, MarCor Gaz, Oct 1971) Maj S. K. McKee. MarCor Gaz 56:47-48 Feb '72

National Guard--Air Force--U.S.

- "Summertime... and the living is easy." (ANG and USAFR summer training tours) illus Air Reservist 24:3-11 Oct '72
- 37 ANG outfits set active duty. AF Times 32:51 Mar 1 '72

National Guard--Army--U.S.

- It's an adventure! (ARNG training) illus Natl Guardsman 26:10-16 Apr '72
- Mutual support. illus Natl Guardsman 26:2-9 Feb '72
- Training can be "different!" illus Natl Guardsman 26:8-13 Dec '72
- Training for the test (to determine practicality of various approaches to boosting combat-readiness of the whole force--Active, Guard and Reserve). illus Natl Guardsman 26:2-8+ Jun '72

Navy--Russia

- Shipboard battle drills. Capt N. Borodin. illus Soviet Mil Rev No. 4:26-27 Apr '72

Navy--U.S.See also

- Naval Academy, Annapolis, Md
- CAPE (Computer Assisted Performance Evaluation): A first for the Navy. LCDR Tommy W. Goad. illus US Nav Inst Proc 98:119-120 Feb '72

- The surface line officer: Some conn, some can't. CDR D. R. Larson. illus chart US Nav Inst Proc 98:42-49 Jul '72

Reserve Forces--Air Force--U.S.

- "Summertime... and the living is easy." (ANG and USAFR summer training tours) illus Air Reservist 24:3-11 Oct '72

Reserve Forces--Army--U.S.

- Training for the test (to determine practicality of various approaches to boosting combat-readiness of the whole force--Active, Guard and Reserve). illus Natl Guardsman 26:2-8+ Jun '72

- Vast CONARC: Forger of men and new ideas. Gen Ralph E. Haines, Jr. illus Army 22:26-33 Oct '72

EDUCATION AND TRAINING - ContinuedReserve Forces--Marine Corps--U. S.

Thoughts on Reserve training. Maj Carl R. Venditto. MarCor Gaz 56:51-52 Mar '72

Reserve Forces--Navy--U. S.

Gone is the warning time. Sweeping change makes Naval Reserve 'readier' than ever. RADM Edwin M. Rosenberg. illus Sea Power 15:28-33 Mar '72

Reserve Officers Training Corps--Army--U. S.

At the gap. (RECONDO training at Indiantown Gap Military Reservation, Harrisburg, Pa) Capt Charles G. Cavanaugh, Jr. illus Soldiers 27:30-35 Sep '72

EDUCATION AND TRAINING, OFF-DUTYAir Force--U. S.See also

Operation--Bootstrap

Advanced academic degree management system. TIG Brief 24:6 Dec 22 '72

Air Force Education Services Program. TIG Brief 24:16 Dec 8 '72

Civilian colleges get more AFers. AF Times 32:10 Mar 1 '72

Education advances AFCS careers--command develops four-phase program. AF Times 32:36 Jul 19 '72

Educational funding guidelines hit field. AF Times 33:4 Sep 13 '72

Graduate program (in business education, Utah College of Business) expands. AF Times 32:9 Jan 12 '72

Rules on PCS eased for enlisted students. AF Times 32:20 Jun 28 '72

Schooling takes off. George Foster. AF Times 32:1+ May 3 '72

Statistics

Record numbers attend schools. AF Times 33:2 Oct 4 '72

Armed Forces--U. S.

Education supplement. AF Times 32:28p sup opposite p 32 Mar 8 '72; 32:28p sup opposite p 30 Jul 12 '72; 33:28p sup opposite p 30 Nov 8 '72

Army--U. S.

Step up in service. (Army Education Program) SP4 Chuck Noland. illus Soldiers 27:30-33 Aug '72

Reserve Forces--Air Force--U. S.

(Air War College group study program) Air Reservist 24:13 Mar '72

EDUCATIONAL LEVEL OF MILITARY PERSONNEL

The Armed Services associate degree program: A proposal. Capt Abbott A. Brayton. illus tab Mil Rev 52:90-94 Feb '72

NavCad or college grad? (Recruitment, education, and retention of naval aviators) CAPT James E. Williams. illus US Nav Inst Proc 98:49-53 Apr '72

Rules on PCS eased for enlisted students. AF Times 32:20 Jun 28 '72

EDUCATIONAL LEVEL OF MILITARY PERSONNEL - Continued

Sharp increase listed in degree holders. AF Times 32:4 Jun 7 '72

United States Army Command and General Staff College regular course student profile. Table only. Mil Rev 52:101 Nov '72

EFFECTIVENESS REPORTSAir Force

Correction of officer and airman evaluation reports. TIG Brief 24:13 Sep 29 '72

Field test slated for revised OER. George Foster. AF Times 32:1+ May 10 '72

Here's look at new OER. George Foster. AF Times 33:1+ Sep 20 '72

New OER manual shows some procedural changes--system still under study. AF Times 32:3 Mar 29 '72

OER changes to get tests. George Foster. AF Times 33:1+ Aug 16 '72

Army

EER: A major management tool for the 70s. Sgt1C James C. Hughes. illus Armor 81:43-44 Nov-Dec '72

Evaluation systems and superior-subordinate relationships. Anthony J. Daniels. illus Mil Rev 52:3-8 Jan '72

How do you measure up? (Enlisted Efficiency Report) Sgt1C Carl Martin. illus tab Soldiers 27:12-15 Dec '72

The new OER--measure of a man. Sgt1C Carl Martin. illus Soldiers 27:8-11 Dec '72

Marine Corps

GMSP? What's that? (General Military Subjects Proficiency) Maj D. E. Jacobsen. MarCor Gaz 56:27-29 Oct '72

A hard look at pink sheets. Col Jeremiah O'Leary. MarCor Gaz 56:49-50 Feb '72

Performance evaluation system. (Explanation of fitness reporting changes) MarCor Gaz 56:27-30 Mar '72

Navy

Automating the naval officer selection and promotion system. CAPT G. H. Lewis. illus tabs Nav War Col Rev 25:37-53 Sep-Oct '72

EFFICIENCY

Clay T. Whitehead addresses AFCEAns (Washington, Feb 1972)--discusses proposed council for federal government communications. Signal 26:10-11 May '72

The costly inefficiency of base level information systems. Maj James S. Menees, Jr. illus AF Compt 6:31-33 Oct '72

Measuring supply effectiveness in R&D. Bernard P. Cutrera. illus tabs Log Spectrum 6:21-27 Winter '72

Productivity analysis, tempered with judgment, improves efficiency. Nestor E. Terleckyi. Def Mgt J 8:25-28 Oct '72

Ten minutes to live--or how to stay proficient even tho attached. LtCol Richard L. Anderson, Ret. illus MAC Flyer 19:26-27 Sep '72



EFFICIENCY RATINGS see Airman Performance Reports; Effectiveness Reports

## EGYPT

### Foreign Relations

#### Libya

Ivan go home! Don't call us; we'll call you. (Russia in Egypt) Lawrence Griswold. illus map Sea Power 15:6-13 Sep '72

#### Russia

Ivan go home! Don't call us; we'll call you. (Russia in Egypt) Lawrence Griswold. illus map Sea Power 15:6-13 Sep '72

Watch on the Suez. William Beecher. illus tab Army pt 1, Egypt's noisy silent partner. 21:10-13 Nov '71; pt 2, Israel weighs the options. 21:28-32 Dec '71; pt 3, Jordan: On the razor's edge. 22:41-44 Jan '72

## EIFLER, Charles W., Jr

Pitfalls of vertical management. LtGen Charles W. Eifler. Army Log 4:30-31 Jul-Aug '72

## EISENHOWER, Dwight D.

Defense budgets; Ike, Nixon and McGovern. LtGen Ira C. Eaker, Ret. AF Times 33:13 Sep 6 '72

## EJECTION

### See also

Parachute Jumping

All the shiny switches. (Command Selector Valve--CSV) Maj Charles A. Lehman. illus Aerosp Safety 28:8-9 Nov '72

Decide to survive. Roger G. Crewse. illus Interceptor 14:5-11 Jul '72

Eject! LtCol R. B. Weinert. Interceptor 14:5-9 Sep '72

Eject! Eject! illus Approach 18:1-3 Sep '72

The fine line (between a simple human error and a panic-induced mental blank). (Reprinted from Airscoop, April 1972) USA Avn Dig 18:50-52 Sep '72

How it was (ejection from 2000 feet). illus Approach 18:32-33 Sep '72

Injured until proven healthy. Maj Frederic M. Brown. illus Interceptor 14:18-19 Jan '72

It pays to wait! (Automatic vs manual separation on the Martin-Baker System) Roger Emmett. (Reprinted from TAC Attack, July 1968; Approach, Jan 1969) illus Approach 18:26-30 Oct '72

Low & slow, zoom & boom. (Low altitude ejection) illus tab Interceptor 14:12-15 Apr '72

Pacific plunge. Maj Russell Weber. illus Interceptor 14:12-16 Feb '72

Review of high performance aircraft take off and landing accidents. Erna V. Rice and Earl H. Ninow. tabs Aerosp Med 43:274-277 Mar '72

SR-71 ejection escape experience. Robert H. Shannon. illus Combat Crew 23:8-11 Jul '72

What would you do if... (Aircrew survival, takeoff and landing accidents) Erna V. Rice. illus tabs Approach 18:6-9 Nov '72

Zero zero capability. (Ballistically-spread parachute and seat-stabilization ejection system) Roger G. Crewse. illus Interceptor 14:10-15 Dec '72

## EJECTION EQUIPMENT

Egress systems update (DART (Directional Automatic Rcalignment of Trajectory)) for F-100, for F-102. illus Aerosp Safety 28:8-9 Apr '72

Egress systems update (ESCAPAC 1C for) A-7D, RB-57F, B-57G. Robert H. Shannon. illus Aerosp Safety 28:2-3 May '72

Helicopter ejection seat (being investigated by Naval Weapons Lab for AH-1). illus MarCor Gaz 56:4 Oct '72

Life support conference (Kelley AFB, Tex, March 7-10, 1972). illus Aerosp Safety 28:12-13 May '72

SR-71 ejection escape experience. Robert H. Shannon. illus Combat Crew 23:8-11 Jul '72

Zero zero capability. (Ballistically-spread parachute and seat-stabilization ejection system) Roger G. Crewse. illus Interceptor 14:10-15 Dec '72

### Maintenance and Repair

Egress system maintenance. TIG Brief 24:3 Jan 28 '72

If your ejection seat doesn't work. TIG Brief 24:15 Jun 16 '72

### Testing

2 light fighter designs to get test. AF Times 32:22 May 3 '72

## ELECTIONS

### See also

Voting

Defense programs in spotlight as legislators begin election year session. James D. Hessman. Armed Forces J 109:38-39 Feb '72

Elections, Congress, and the military. illus Sea Power 15:31-32 Dec '72

How a President is chosen. (Reprinted from U.S. News & World Report, March 6, 1972) illus tabs Soldiers 27:10-15 Aug '72

The lonely landslide. Claude Witze. illus AF Mag 55:16+ Dec '72

No musical chairs in Congress. William S. Handleman. Armed Forces J 110:9 Dec '72

"The peoples' choice"; "off year" elections again show that military rank cuts no ice. Natl Guardsman 26:30+ Jan '72

Security suffers during elections. LtGen Ira C. Eaker, Ret. AF Times 33:13 Sep 20 '72

## ELECTRIC EQUIPMENT

### See also

Generators, Electric

### Maintenance and Repair

Happiness in RPIE (Real Property Installed Equipment) that runs. CMSgt William N. Patton. illus AF Civil Engr 13:18-20 May '72

## ELECTRIC POWER

Airport lighting and power supplies--the final landing aid. illus Interavia 27:499-501 May '72

Electric power generation in space. illus Space World I-8-104:15-34 Aug '72

Power to the computer. Capt Michael E. Alverson. illus tabs AF Compt 6:14-15 Jan '72



ELECTRIC POWER - Continued

Power to the people. Capt Charles C. McCloskey III and Norman J. Brodoski. illus Mil Engr 64:388-390 Nov-Dec '72

Where were you when the lights went out??? TIG Brief 24:13 Nov 10 '72

ELECTRIC POWER PLANTS

Progress at Snettisham (Alas). Capt L. William Kehe. illus map Mil Engr 64:256-257 Jul-Aug '72

ELECTRICITY

Electricity, safety, and the maintenance man. illus Aerosp Safety 28:5-7+ Apr '72

ELECTROMAGNETIC COMPATIBILITY

Communications and today's Army. Gen W. C. Westmoreland. illus Signal 27:6-9 Sep '72

EMI (ElectroMagnetic Interference) and mission compatibility. Ronald Jackson. illus Signal 26:33-35 Jan-Feb '72

(New electromagnetic compatibility measurement system--AN/TRM-24) Signal 27:70-71 Oct '72

ELECTRONIC AIDS TO AVIATION

(New electronic system called Interrogator Processor Sets--IPS) Signal 27:74 Oct '72

(New helicopter Precision Hover Sensor--PHS) Signal 27:56 Nov '72

ELECTRONIC COUNTERMEASURES

AN/ALE 38--fly it, you'll like it. illus (Also cut-aways) Elect Warfare 4:8+ Convention Issue '72

Chaff attenuation--fact or fantasy? R. F. Russell and H. E. Richards. illus Elect Warfare 4:16+ Winter '72

Chaff isn't "old hat." Hugh G. Curtis. illus USAF TAWC Rev 3:18-22 Nov '72

Decca electronic warfare equipment. R. T. Pretty. illus Intl Def Rev 5:491-492 Oct '72

ECM, the 'new breed.' TSgt John J. O'Shaughnessy. Elect Warfare 4:15-16 Spring '72

Electronic warfare: Essential element of deterrence. Interview. BrigGen Theodore S. Coberly. illus AF Mag 55:36-41 Jul '72

New eyes and ears for NATO Forces--all set for electronics defence. H. George Franks. illus NATO's Fifteen Nations 17:86-92 Aug-Sep '72

Radio countermeasures at sea. Capt V. Rachkov and others. Soviet Mil Rev No. 2:28-30 Feb '72

Reconnaissance 1972. John W. R. Taylor. illus Royal Air Forces Qtr 12:7-14 Spring '72

Return of the ASCAT (Anti-SAM Combat Assistance Teams). Maj James L. Boone. illus USAF TAWC Rev 3:9-13 Nov '72

Shock (wave) and (electromagnetic) pulse: New naval weapons? Armed Forces J 110:21-22 Sep '72

VMCJ (Marine Composite Reconnaissance Squadron). LtCol P. A. Manning. illus MarCor Gaz 56:40-43 Oct '72

History

EW history WW II. (Excerpts from Radio Countermeasures, National Defense Research Committee, Division 15 Summary Technical Report, vol I, 1946) Elect Warfare pt 1, 4:20+ Summer '72; pt 2, 4:20-22+ Convention Issue '72

ELECTRONIC DATA PROCESSING SYSTEMSSee also

Air Force Data Automation Agency  
Computers  
Digital Communications

AF Data System Design Center. Col Robert A. Bass. illus AF Compt 6:9 Oct '72

Computers for weapon systems and logistics. LtCol G. W. A. Pearce. illus Royal United Svcs Inst for Def Studies J 116:52-59 Dec '71

Data automation program redirection. (Address, Worldwide Air Force Data Automation Conference, Langley AFB, Va, March 15, 1972) Spencer J. Schedler. AF Pley Ltr for Comdrs: Sup No. 7: 24-28 Jul '72

Data Systems Design Center: Designing, developing and maintaining the "systems for decisions." Capt James R. Legg. illus Contact 26:2-5 Mar-Apr '72

Disaster and emergency planning for magnetic tape libraries. TIG Brief 24:7-8 May 19 '72

Does Minnesota have a Rosetta stone for data communications? (Unique off-the-shelf universal interface from Comtex, Inc) E. Gary Miller. Govt Exec 4:24-25+ Aug '72

LITE developmental efforts and activities. Jack Sieburg. AF JAG L Rev 14:35-37 Winter '72

The mad world of data communications. Zakar V. Zakarian. illus Govt Exec 4:50-54 Jul '72

Minicomputers and microprogramming. (Address, AFCEA, Washington, June 6, 1972) MajGen Lee M. Paschall. Signal 26:35-36 Jul-Aug '72

Real-time environmental telemetry. Peter J. DeTroy. illus Signal 27:38-39 Oct '72

Tactical data handling in the French Navy. illus Intl Def Rev 5:33-36 Feb '72

Tracing is dead: Long live CISCO (Computerized Individual Shipment Control). Reger W. Gerling. illus Def Trans J 28:47-49 Mar-Apr '72

USAMC transportation moves ahead in automatic data processing. William C. Rabold. illus Translog 3:8-9 Dec '71-Jan '72

What hath SACCS (SAC Automated Command Control System) wrought. David W. Townsend, Jr. illus Combat Crew 23:10-13 Jan '72

Costs

Managerial accounting for data automation. LtCol John J. McFaull. illus AF Compt 6:14-17 Oct '72

Study and Teaching

Cannons and computers. Capt Darrel L. Gerke. illus Fld Artilleryman No. 49:35-37 Feb '72

ELECTRONIC EQUIPMENTSee also specific types of equipment, e. g.,

Computers  
Detection Equipment  
Electronic Receiving Equipment  
Electronic Transmitting Equipment  
Semiconductor Devices  
Transistors

Communications-electronics digest, monthly review of developments. Regular feature in issues of Signal

ELECTRONIC EQUIPMENT - Continued

- Communications equipment in kit form--Avco's answer to complexity. J. Philip Geddes. illus Intl Def Rev 5:306-307 Jun '72
- Currency and use of Communications-Electronics (C-E) publications. TIG Brief 24:14 Oct 13 '72
- Decca electronic warfare equipment. R.T. Pretty. illus Intl Def Rev 5:491-492 Oct '72
- 'Detector' test a success--six bases to get devices. AF Times 32:37 Mar 29 '72
- Digital modules: New developments for Navy standard hardware program. H.G. Wolfe. illus tabs Signal 26:43-46 Jan-Feb '72
- Electronic reconnaissance in Vietnam. illus Intl Def Rev 5:358-362 Aug '72
- GTE Sylvania's PSP (Programmable Signal Processor): Fast and flexible signal processing. Harold J. Manley. illus tab Signal 26:12-14 Jan-Feb '72
- MAC antihijacking program. TIG Brief 24:7 Apr 7 '72
- Monopulse direction finding. L.G. Bullock and others. illus Elect Warfare pt 1, 4:34+ Winter '72; pt 2, 4:12-13+ Spring '72
- (New electromagnetic compatibility measurement system--AN/TRM-24) Signal 27:70-71 Oct '72
- New eyes and ears for NATO Forces--all set for electronics defence. H. George Franks. illus NATO's Fifteen Nations 17:86-92 Aug-Sep '72
- (Parked Aircraft Security Systems--PASS) illus Signal 27:53 Nov '72

Design

- The throwaway package concept matures. William H. Scott. illus Signal 27:12-14 Dec '72

Maintenance and Repair

- Communications-electronics meteorological on-site maintenance program. TIG Brief 24:14 Feb 11 '72
- Systematic troubleshooting. Byron L. Bowman. Fld Artilleryman No. 49:48-50 Feb '72

Testing

- Computer instrumentation systems--a status report. John L. Minck. illus Elect Warfare 4:6-8+ Summer '72
- 'Laboratories' fly tests above Ohio countryside. illus AF Times 32:63 Mar 8 '72

ELECTRONIC EQUIPMENT (AIRCRAFT)

- Aerospace electronics in Italy. illus Interavia 27:608-609 Jun '72
- All weather CAS (Close Air Support): Fact or fancy. Maj K. C. Bateman. illus MarCor Gaz 56:41-43 Jun '72
- Flying high (in C-141). Capt Michael B. Purcell. Navigator 19, No. 1:26-27 '72
- The French aviation equipment industry: Some of the major companies. illus Interavia 27:752-755 Jul '72
- French industry's stake in the avionics equipment field. Jean-Michel Treille. illus tabs Interavia 27:749-750 Jul '72
- Galaxy training. Maj John R. Livingstone and Capt David R. Nelson. illus Navigator 19, No. 1:8-11 '72
- The navigator gets rid of his excess baggage. (Reprinted from Air Force, June 1956) Louis Alexander. Navigator 19, No. 3:5-7 '72

ELECTRONIC EQUIPMENT (AIRCRAFT) - Continued

- Proximity warning devices versus midair collisions. Capt Lee W. Journey. illus USA Avn Dig 18:12-13 Jan '72
- T-43A airborne navigator trainer. illus Navigator 19, No. 3:14-20 '72

ELECTRONIC EQUIPMENT (SPACE VEHICLES)

- Apollo lunar spacecraft--how it works. The total story of Apollo. illus (Also cutaways) Space World pt 1, I-4-100:4-60 Apr '72; pt 2, I-5-101:4-58 May '72; pt 3, I-6-102:4-59 Jun '72

ELECTRONIC EQUIPMENT, MINIATURE

- The throwaway package concept matures. William H. Scott. illus Signal 27:12-14 Dec '72

ELECTRONIC INDUSTRY AND TRADE

- Communications-electronics digest, monthly review of developments. Regular feature in issues of Signal
- The computer industry abroad. Carl Hammer. Persp in Def Mgt, pp 61-68, Spring '72
- Management goes multinational: The case of IBM. R.H. Fentruss. Persp in Def Mgt, pp 53-59, Spring '72

Europe, Western

- New eyes and ears for NATO Forces--all set for electronics defence. H. George Franks. illus NATO's Fifteen Nations 17:86-92 Aug-Sep '72

Great BritainStatistics

- Some data on the British electronics industry (for 1971). Tables only. Interavia 27:959 Sep '72

Italy

- Aerospace electronics in Italy. Illus Interavia 27:608-609 Jun '72

United States

- Challenges in communications technology. R.W. McFall. Signal 27:6-7 Dec '72
- Communications-electronics and the government: 1972 and beyond. L. Berkley Davis. Signal 26:26-29 Jun '72
- Communications equipment in kit form--Avco's answer to complexity. J. Philip Geddes. illus Intl Def Rev 5:306-307 Jun '72
- Despite incredible growth: U.S. electronics industry faces major threat from abroad. Leon Shloss. illus tabs Govt Exec 4:65-66+ Oct '72
- How government could get more out of its computer suppliers. (Interview with Christy A. Christopher) C.W. Borklund. chart Govt Exec 4:58-59 Jul '72
- Management goes multinational: The case of IBM. R.H. Fentruss. Persp in Def Mgt, pp 53-59, Spring '72

ELECTRONIC RECEIVING EQUIPMENT

- Advanced microwave receiving system. J.P. Schoenberg. illus Signal 27:19-21 Dec '72
- Digital television transmission with power and bandwidth efficiency. F.A. Perkins and J.A. Proctor. illus Signal 27:25-28+ Oct '72
- The multi-purpose electromagnetic receiving system. Cecil Byrom. illus tab Elect Warfare 4:7-8+ Winter '72



ELECTRONIC RESEARCH

The role of the Department of Commerce in telecommunications. Armig G. Kandoian. illus Signal 26:82-86 Jun '72

The transient ghost is finally harnessed. G. D. Jonassen. illus Signal 26:34-35 Mar '72

ELECTRONIC SWITCHING see Switching Systems

ELECTRONIC SYSTEMS DIVISION

Tactical system on way (at Electronic Systems Division). AF Times 32:42 Jul 19 '72

ELECTRONIC TRANSMITTING EQUIPMENT

Army communications in Vietnam. MajGen Thomas Matthew Rienzi. illus Signal 26:49-54+ Jun '72

Communications systems planning. Preston E. Law. tab Signal 27:22-26 Dec '72

A digital data rate reduction technique. Frank Chiffy and others. illus tabs Signal pt 1, 26:28-31 May '72

Digital television transmission with power and bandwidth efficiency. F. A. Perkins and J. A. Proctor. illus Signal 27:25-28+ Oct '72

Evolution not revolution--electronic data communications. James M. Osborne. illus Signal 26:77-78+ Jun '72

Real-time environmental telemetry. Peter J. DeTroy. illus Signal 27:38-39 Oct '72

ELECTRONIC WARFARESee also

Electronic Countermeasures

DF'ING (Direction Find'ING) using short baseline TOA (Time Of Arrival) techniques. C. G. Brown. illus Elect Warfare 4:14-15+ Summer '72

Decca electronic warfare equipment. R. T. Pretty. illus Intl Def Rev 5:491-492 Oct '72

Electronic warfare: Essential element of deterrence. Interview. BrigGen Theodore S. Coberly. illus AF Mag 55:36-41 Jul '72

Electrons over Suez. Charles Wakebridge. illus Ordnance 56:473-477 May-Jun '72

Elements of EW simulation--programming the RF (Radio Frequency) emitter. Thomas F. Curry. illus tabs Elect Warfare 4:26+ Convention Issue '72

National security strategy of realistic deterrence. (Address, Assoc of Old Crows Annual Convention, Washington, Oct 13, 1971) Melvin R. Laird. Elect Warfare 4:4-5 Winter '72

Netting of ESM (Electronic Support Measures) platforms. Henry J. Morin and Francis J. Enge. illus Elect Warfare 4:10+ Winter '72

New EW procurement programs. Editorial. Elect Warfare 4:2 Summer '72

Policy for the provision of electronic warfare capability to NATO. Elect Warfare 4:10 Summer '72

History

EW history WW II. (Excerpts from Radio Countermeasures, National Defense Research Committee, Division 15 Summary Technical Report, vol 1, 1946) Elect Warfare pt 1, 4:20+ Summer '72; pt 2, 4:20-22+ Convention Issue '72

Electronic warfare: Essential element of deterrence. Interview. BrigGen Theodore S. Coberly. illus AF Mag 55:36-41 Jul '72

ELECTRONIC WARFARE - ContinuedStudy and Teaching

Education and training in electronic warfare. Navigator 19, No. 3:21-24 '72

Tactical operations center. Maj Don E. Gordon. MarCor Gaz 56:30-51 Jun '72

ELECTRONICSSee also

Avionics

The communications explosion. (Address, Southeastern Signal Center and School, Fort Gordon, Ga, Dec 1971) BrigGen Harold W. Rice. Signal 26:29-31 Apr '72

Modeling Air Force tactical communications. Emile A. Babineau. illus Signal 27:8-11 Dec '72

ELLER, Ernest M.

The struggle for the sea. RADM Ernest M. Eller, Ret. illus Sea Power 15:26-31 Oct '72

EMERGENCY POWERS see War and Emergency Powers

EMOTIONSSee also

Fear

EMPLOYMENT

Aid for Reserve Forces--business group growing. AF Times 33:19 Sep 13 '72

CSC retiree study shows 77,655 on U.S. payroll. AF Times 33:1+ Dec 13 '72

Civilian job training Skill Center opens at Forbes (AFB, Kan) Jan 10. AF Times 32:3 Jan 5 '72

Congress urges hiring of kin--NAF jobs o'seas. AF Times 33:49 Nov 29 '72

Employer support of the Guard and the Reserve. (Report on NG and Reserve Forces Seminar, AFA Convention, Washington, Sep 20, 1972) Maj Robert W. Hunter. illus AF Mag 55:82-86 Nov '72

Forbes (AFB, Kan) Skill Center lists schedule. AF Times 32:40 May 31 '72

Health care jobs up but: Civilian requirements force many veterans to quit field. AF Times 32:10 Mar 29 '72

Here's a full rundown of new GI Bill benefits. AF Times 33:55 Nov 8 '72

A job for Charlie. (Training at Air Force Skill Center, Forbes AFB, Kan) illus Airman 16:9-11 Jun '72

Job help set for 10,000 getting out. AF Times 32:3 Apr 19 '72

Job info fairs set in Germany. AF Times 32:10 Mar 29 '72

Making room for the jobless veteran. (Interview with Lawrence L. O'Connor) Capt John T. Correll. illus tab AF Mag 55:48-51 Jul '72

Overseas kin given employment break. Randy Shoemaker. AF Times 32:1+ Jul 26 '72

Reserve Forces and employers: Partners in national security. Roger T. Kelley. illus Def Mgt J 8:50-56 Oct '72

Retiree job program (Project Referral) killed. AF Times 33:41 Nov 8 '72

Retirees on U.S. payroll: Pay of most is modest. tab AF Times 33:13 Dec 27 '72



EMPLOYMENT - Continued

Road to retirement--smooth sailing or rough trip?  
MSgt Jack Holden. illus Soldiers 27:20-24 Apr '72

The Senator wants more analysis (of retired officers in defense industry)--but what kind? Interview.  
William Proxmire. Armed Forces J 109:38+ May '72

Skill Center (at Forbes AFB, Kans) drops limits.  
AF Times 32:8 Jan 19 '72

Skill Center (at Forbes AFB, Kans) lists new courses --direct application set up. tab AF Times 33:5 Aug 23 '72

Skills for the asking. Sgt1C D.Mallicoat. illus Soldiers 27:34-40 Jun '72

Transition counselors plan DC 'job fair.' AF Times 33:36 Aug 30 '72

12,938 youths hired in summer programs--drop seen in '73. Sue Toma. AF Times 33:15 Dec 6 '72

Vet jobs backed by Nixon. AF Times 33:41 Nov 8 '72

(Veterans Construction Job) Clearinghouse seeks jobs for vets in construction. AF Times 32:51 Feb 23 '72

Vets offered job break--temporary appointments. AF Times 32:26 Mar 15 '72

Viet vets to get priority with federal contractors. AF Times 33:8 Nov 15 '72

Young vets offered job aid. AF Times 33:43 Aug 16 '72

Your future as a veteran. illus tabs AF Times pt 1, Yes, vets, some do care. Larry Carney. 32:5-6 Oct 13 '71; pt 2, On-duty Transition does help. Bob Schweitz. 32:5-6 Oct 20 '71; pt 3, VA benefits aren't automatic. Bill Drach and Louis Dorsch. 32:42-43 Oct 27 '71; pt 4, GI Bill 'student body' growing. Larry Carney. 32:42-43 Nov 3 '71; pt 5, Vet unemployment dips. Larry Carney. 32:41-42 Nov 10 '71; pt 6, Disability pay confusing. Mel Jones. 32:46-47 Nov 17 '71; pt 7, VA caters to 'new vet.' George Marker. 32:43-44 Nov 24 '71; pt 8, GI home buying gets new life. George Marker. 32:45-46 Dec 1 '71; pt 9, SGI conversion tips. Bill Kreh. 32:50-51 Dec 8 '71; pt 10, The beneficiary snag. Ruth Chandler. 32:37 Dec 15 '71; pt 11, How 'bout the Reserves. Ed Gates. 32:30-31 Dec 22 '71; pt 12, Dear Congressman. Robert S. Horowitz. 32:29 Dec 29 '71; pt 13, Vet groups fill a void. Tony Hale. 32:31 Jan 5 '72

Laws and Regulations

Equal Employment Opportunity Act of 1972 (PL 92-261). TIG Brief 24:15 Jun 2 '72

ENEMARK, William A.

Realism in TPI's (Technical Proficiency Inspections). MajGen W.A. Enemark. Fld Artilleryman No. 49: 38-40 Feb '72

ENERGY RESOURCES see Power Resources

ENGINEER CENTERS AND SCHOOLSAir Force

See also

Arnold Engineering Development Center

ENGINEERING

See also specific types of engineering, e.g.,

Aeronautical Engineering

Civil Engineering

Military Engineering

ENGINEERING - Continued

The computer in design engineering. William D. Ashton and Lee V. Swanson. Mil Engr 64:81-82 Mar-Apr '72

Let's call it "electronic spectrum engineering."  
CAPT R. B. Greenwood. Signal 27:36-37 Oct '72

ENGINEERING RESEARCH

Complex defense systems require good design teams with less people. Albert Shapero. tabs Def Mgt J 8:34-38 Jul '72

Seismic effects of reservoirs. Wendell V. Mickey. illus map Mil Engr 64:248-250 Jul-Aug '72

Simplified plans and specs. Maj Arthur P. Hahn. illus tab AF Civil Engr 13:11-13 Feb '72

Stone dikes for river channels. Charles A. Wilkerson. illus tabs Mil Engr 64:96-100 Mar-Apr '72

ENGINEERS

The coming social industrial complex. Simon Ramo. Signal 26:12-15 Mar '72

The engineer and the paragraph. George P. McCanless, Jr. Log Spectrum 6:30-32 Winter '72

Air Force

The Air Force Civil Engineer and the military statesmanship role. Maj Robert M. Gogal. illus AF Civil Engr 13:17-19 Aug '72

Air Force Engineering: New director (MajGen M. R. Reilly). illus Mil Engr 64:128 Mar-Apr '72

Design work plans--task or tool? TIG Brief 24:15 Jul 14 '72

Directorate of Civil Engineering: From handymen to professional civil engineers. illus Contact 26:2-5 Jan-Feb '72

The E-M (Engineer-Manager) concept: Luxury or necessity? LtCol Joseph A. Devlin. illus AF Civil Engr 13:14-15 Aug '72

MajGen M. R. Reilly becomes 10th Director of Air Force Civil Engineering. illus AF Civil Engr 13:9 Feb '72

Military construction in Korea. CDR William D. Middleton. illus Mil Engr 64:30-32 Jan-Feb '72

A progress report on AFCE management. A.M. Crawford. illus AF Civil Engr 13:2-5 Feb '72

Reflections--MajGen Guy H. Goddard terminates distinguished active military career. illus AF Civil Engr 13:6-8 Feb '72

Armed Forces

(Continuing education for the engineer) (Adapted from papers and discussions, Technical Session, 52d Annual Meeting, Society of American Military Engineers, Annapolis, May 12, 1972) Charles J. Merdinger and others. Mil Engr 64:227-232 Jul-Aug '72

Engineers in the ROTC--1972. illus tabs Mil Engr 64:343-347 Sep-Oct '72

Military engineering today--the role of the Royal Engineers. Brig S.E.M. Goodall. illus RUSI J for Def Studies 117:19-21+ Mar '72

Professionalism for the engineer. illus AF Civil Engr 13: back cover Nov '72

ENGINEERS - ContinuedArmy

- Brazilian Army engineers projects. LtCol George K. Withers, Jr. illus map Mil Engr 64:416-417 Nov-Dec '72
- Engineers in CONUS Civic Action. Capt James M. Cullem. Mil Engr 64:268 Jul-Aug '72
- Military construction in Korea. CDR William D. Middleton. illus Mil Engr 64:30-32 Jan-Feb '72
- Postal construction and the price of postage stamps. BrigGen George A. Rebh. illus map Mil Engr 64:262-265 Jul-Aug '72
- Soviet land mine warfare. Bernard F. Halloran. illus Mil Engr 64:115-118 Mar-Apr '72
- U.S.-ARVN engineer training. Maj Robert W. Whitehead. Mil Engr 64:95 Mar-Apr '72

History

- George Horatio Derby--engineer and humorist. Col Glenn I. Epperson, Ret. illus Mil Engr 64:113-114 Mar-Apr '72

Coast Guard

- Office of Engineering, Coast Guard. illus Mil Engr 64:20-21 Jan-Feb '72

Reserve Forces--Army

- Engineer Reserves on construction. Maj Karl F. Schmid. illus Mil Engr 64:23-24 Jan-Feb '72

ENGINES

- See also specific types of engines, e.g.,  
 Diesel Engines                      Jet Engines  
 Gas Turbines                      Marine Engines  
also subdivision Engines under specific subjects, e.g.,  
 Airplanes--Engines  
 Airplanes, Military--Engines  
 Automobiles--Engines  
 Helicopters, Military--Engines  
 Rockets--Engines

ENLISTED MEN

- See also  
 Airmen  
 Noncommissioned Officers  
 Soldiers
- The EM's lobbyists on Capitol Hill. (Interview with Robert Nolan, Carl A. Bunn, and Donald Harlow) illus AF Times, Family sup:6-7+ Mar 1 '72

- Praporshchiks and mitchmen in the USSR Armed Forces. illus Soviet Mil Rev No. 4:36-37 Apr '72

ENLISTMENT see Recruiting and Enlistment; ReenlistmentENVIRONMENT

- See also  
 Pollution
- Air Force solid waste management program. TIG Brief 24:5 Jun 2 '72
- Ecology gets boost in updated manual (AFM 126-1). AF Times 32:19 Mar 22 '72
- (Ecology) leader or villain? TIG Brief 24:3-4 May 19 '72
- Engineers and the environmental movement. Mil Engr 64:175-176 May-Jun '72

ENVIRONMENT - Continued

- Environment conference. (2d Annual Conference on Pollution Control in the Marine Industries, Washington, 1972) illus Govt Exec 4:31 Jun '72
- Environmental law. TIG Brief 24:1-2 Feb 11 '72
- Environmental legislation and the Air Force. (Remarks, 3d Annual Symposium on Environmental Pollution, American Ordnance Assoc Meeting, Fort McNair, Washington, May 17, 1972) Col Cliff M. Whitehead. AF Plcy Ltr for Comdrs: Sup No. 7:29-32 Jul '72
- Environmental protection. TIG Brief 24:17 Jul 14 '72
- Environmental quality and military construction. Fanning M. Baumgardner. illus Mil Engr 64:237-238 Jul-Aug '72
- From choice to determinant: The environmental issue in international relations. LtCol Robert Leider. Forum No. 15:60-68 Spring '72
- Keep it clean! Environmental quality is 'in' at the Pentagon. Thomas C. Steinhäuser. illus tabs Armed Forces J 110:24-26+ Dec '72
- Mankind in the world of tomorrow--tomorrow's society. C.F. Freiherr von Weizsäcker. illus NATO's Fifteen Nations 16:93-95+ Dec '71-Jan '72
- The munitions role in environmental protection. TIG Brief 24:19 Mar 10 '72
- The national ecology: Myths and priorities. Abel Wolman. Persp in Def Mgt, pp 45-52, Spring '72
- Night of the raiders. (Conservation and wildlife management program, Wildlife Office, Elmendorf AFB, Alaska) Dave Cole. illus Airman 16:37-39 Mar '72
- Nothing but blue skies. (Pollution--a threat to prosperity) LtCol Robert Leider. illus US Nav Inst Proc 98:27-34 Jun '72
- 'Orange' burning requested. AF Times 32:19 Feb 16 '72
- The place to be. (Army Research Institute of Environmental Medicine at Natick Laboratories) SP4 Chuck Noland. illus Soldiers 27:42-45 Aug '72
- Politics & economics: Do they prevent the meaningful use of aerospace technology? Govt Exec 4:56+ Sep '72
- The protest at (Exercise) Snowy Beach. CDR Ralph W. Blanchard. illus US Nav Inst Proc 98:118-122 Jul '72
- "Real time" (environmental) data by telemetry. (Hy-Tel--Hydrological Telemetry) illus Govt Exec 4:14 Aug '72
- Real-time environmental telemetry. Peter J. DeTroy. illus Signal 27:38-39 Oct '72
- Senator Jennings Randolph: "Man has joined the list of endangered species." illus Govt Exec 4:34-35 Aug '72
- Transportation and the environment--can we have both? John A. Volpe. illus Mil Engr 64:312-314 Sep-Oct '72
- ENVIRONMENT, SPACE see Space Environment
- ENVIRONMENTAL PROTECTION AGENCY
- Changing philosophy in anti-pollution campaign. Samuel Stafford. illus Govt Exec 4:18+ Aug '72



ENVIRONMENTAL PROTECTION RESEARCH

See also related subjects, e.g.,  
Clothing, Protective  
Desert Operations

Air Force health labs. LtCol Donald D. Higgins and  
Capt Andrew T. Hayden. illus AF Civil Engr  
13:16-17 May '72

ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION

See also  
National Oceanic and Atmospheric Administration

ENVIRONMENTAL SERVICES

Navy environmental protection program. CDR Joseph  
A. D'Emidio. illus Mil Engr 64:402-405 Nov-  
Dec '72

EQUAL EMPLOYMENT OPPORTUNITY see

Civilian Employees  
Employment  
Project--Transition

EQUIPMENT

See also subdivision Equipment under specific  
subjects, e.g.,  
Airplanes, Military--Equipment  
Vietnamese Conflict, 1957- --Equipment

Weapons, vehicles, equipment. Regular feature in  
issues of International Defense Review

Maintenance and Repair

Maintainability engineering, system engineering,  
logistics support. Ben S. Blanchard. illus Log  
Spectrum 6:18-26 Spring '72

Air Force--Great Britain

Defence standards--towards a cost-effective Air  
Force. Air Commodore C. T. Nance. illus Royal  
Air Forces Qtr 11:311-315 Winter '71

Air Force--U.S.

The starting lineup... and the team today. (USAF  
inventory, Sep 18, 1947 and June 30, 1972) illus  
tabs Armed Forces J 110:50-51 Sep '72

Armed Forces--U.S.

Putting idle equipment to work. illus Army Log 4:  
12-13+ Jan-Feb '72

Senate studies raise for BX employees. AF Times  
32:3 Mar 22 '72

Maintenance and Repair

Maintenance management orientation. TIG Brief  
24:12 Jan 28 '72

Army--Germany (Federal Republic)

German tactical river crossings for the 1980's.  
LtCol Joachim K. W. Zickert. illus Mil Engr  
64:1-4 Jan-Feb '72

Army--Great BritainExhibitions

British Military Engineering Week. (Exhibition and  
symposium arranged by Ministry of Defence) illus  
tab Intl Def Rev 5:409-412 Aug '72

Army--U.S.

Army weapons, equipment, 1972: Promise and uncer-  
tainty. Eric C. Ludvigsen. illus Army 22:124-126+  
Oct '72

EQUIPMENT - ContinuedArmy--U.S. - Cont'd

IR&D (Infantry Research and Development Liaison  
Office): A customer relations department for  
Infantrymen. Capt Dan Parker. illus Infantry  
62:40-41 Sep-Oct '72

Infantry: Rolling against the punch. Col Ben S.  
Malcom. illus Infantry 62:6-9 May-Jun '72

The light Infantry is too heavy. Col Richard E. Mack.  
illus Infantry 62:14-15 May-Jun '72

New systems, lab discoveries mark AMC's 10th year.  
Gen Henry A. Miley, Jr. illus Army 22:36-39  
Oct '72

UTTAS (Utility Tactical Transport Aircraft System)  
to succeed Huey. Richard E. Gile. illus Infantry  
62:56-57 Nov-Dec '72

Maintenance and Repair

The Army Maintenance (Management) System  
(TAMMS) simplification study. Maj James A.  
Wilhite. illus Armor 81:40-42 May-Jun '72

Direct exchange. LtCol Paul F. Anderson. illus Army  
Log 4:26-31 Jan-Feb '72

Testing

Part of your team--U.S. Army Materiel Command.  
Lt Steven M. Jareo. illus Infantry 62:10-11  
May-Jun '72

Army--Vietnam (Democratic Republic)

Soviet armor comes to Vietnam--a surprise that  
needn't have been (after Korea). Bernard F.  
Halloran. illus Army 22:19-23 Aug '72

Marine Corps--U.S.

Corps armor--a candid analysis. 1stLt K. W. Estes.  
illus MarCor Gaz 56:27-31 Dec '72

Improving the load carrier. Maj J. Sabater, Jr. illus  
MarCor Gaz 56:8-9 Oct '72

National Guard--Air Force--U.S.

"Delta Darts" join Guard in major restructuring. illus  
Natl Guardsman 26:28-29 May '72

NavyExhibitions

The Royal Navy Equipment Exhibition (Greenwich,  
Eng, Sep 21-25, 1971). illus (Also cutaway) Intl  
Def Rev 4:603-608 Dec '71

Navy--Great BritainExhibitions

The Royal Navy Equipment Exhibition (Greenwich,  
Eng, Sep 21-25, 1971). illus (Also cutaway)  
Intl Def Rev 4:603-608 Dec '71

EQUIPMENT CONVERSION

This heading is used for re-equipping units with new  
or different equipment.

National Guard--Air Force

Daggers to Darts (at 120th Ftr Gp, ANG). illus Air  
Reservist 24:6-7 Jul '72

"Delta Darts" join Guard in major restructuring.  
illus Natl Guardsman 26:28-29 May '72



EQUIPMENT CONVERSION - ContinuedNational Guard--Army

National Guard Aviation prepares for readiness role.  
LtCol Charles R. Jones. illus USA Avn Dig 18:  
18-21 Mar '72

Reserve Forces--Air Force

A new ballgame. (Difference between "driving" a  
C-124 Globemaster and handling the F-105  
Thunderchief) illus Air Reservist 24:10-11  
Jul '72

Routine to the unaware. (From Albatross to Choctaw:  
The 304th ARRSq makes a difficult transition safely  
and smoothly) George M. Myers. illus MAC Flyer  
19:12-13 Nov '72

Reserve Forces--Armed Forces

Revitalizing Reserves. (Excerpts from Defense  
Posture Statement) Melvin Laird. illus Officer  
48:10-11 Apr '72

ESCAPE EQUIPMENTSee also

Ejection Equipment  
Parachutes

Helicopter egress is possible. Maj Jerry Preston.  
illus MAC Flyer 19:3-7 Jun '72

ESPIONAGE see Spies and SpyingETHICSSee also

War--Ethical Aspects

Integrity. TIG Brief 24:1 Nov 24 '72

A new style of military for the United States: A rec-  
ommendation. WgComdr Raymond G. Funnell.  
illus AU Rev 24:63-67 Nov-Dec '72

EUROPE

European security--a United States view. Robert  
Ellsworth. illus Royal United Svcs Inst for Def  
Studies J 116:5-12 Dec '71

History

The improbable alliance: The Central Powers and  
coalition warfare, 1914-1918. LtCol James B.  
Agnew. illus charts Parameters 1:36-49 Winter '72

EUROPE, WESTERN

The Nordic countries in a changing Europe. Egil  
Ulstein. (Condensed from Part 3 of Adelphi  
Papers No. 81, Nov 1971) illus Mil Rev 52:50-63  
Sep '72

Foreign RelationsMiddle East

Strategic power in the Indian Ocean. R. D. M. Furlong.  
illus map tab Intl Def Rev 5:133-140 Apr '72

The West and the Middle East. John C. Campbell and  
Helen Caruso. illus Mil Rev 52:75-83 Oct '72

United States

The United States and the European Community.  
James Robert Huntley. NATO's Fifteen Nations  
17:73-74+ Jun-Jul '72

Politics and Government

The United States and the European Community.  
James Robert Huntley. NATO's Fifteen Nations  
17:73-74+ Jun-Jul '72

EUROPEAN COMMAND, ALLIED see Allied Command  
EuropeEUROPEAN ECONOMIC COMMUNITY

Common Market aviation policy--are the motives  
correct? Interavia 27:1173 Nov '72

A common transport policy for the European Com-  
munities. Horst Seefeld. illus Def Trans J 28:40+  
Sep-Oct '72

The European (Economic) Community. Jacques G.  
Maisonrouge. illus maps tabs Forum No. 15:34-59  
Spring '72

1972, which year in Europe? Colin Gordon. NATO's  
Fifteen Nations 17:62-64+ Apr-May '72

The United Kingdom and Europe--the effect of EEC  
entry on the aerospace industry. illus tabs  
Interavia 27:941-943 Sep '72

The United States and the European Community.  
James Robert Huntley. NATO's Fifteen Nations  
17:73-74+ Jun-Jul '72

EVACUATION, CIVILIAN

C-141 airlifts 394 (Vietnamese) War refugees. Maj  
Larry Means. illus AF Times 32:32 May 31 '72

394 refugees flee Pleiku aboard 90-passenger USAF  
C-141. Maj Larry Means. illus Armed Forces J  
109:20 Jun '72

EVACUATION OF CASUALTIESSee also

Aeromedical Evacuation

EVALUATION (EDUCATION)

CAPE (Computer Assisted Performance Evaluation):  
A first for the Navy. LCDR Tommy W. Goad. illus  
US Nav Inst Proc 98:119-120 Feb '72

EVOLUTION

Astrogenic environments: The effect of stellar spec-  
tral classes on the evolutionary pace of life.  
Krafft A. Ehricke. illus tabs Spaceflight 14:2-14  
Jan '72

Spontaneous generation and chemical evolution. P.M.  
Molton. illus tab Spaceflight 14:187-191 May '72

EXAMINATIONS see Tests and MeasurementsEXCHANGE PROGRAMS

The State/DOD exchange program. Raymond J. Bar-  
rett. illus AU Rev 23:54-59 Sep-Oct '72

EXCHANGE PROGRAMS, MILITARYSee also

Allied Military in the U.S.

Officer billets available in duty exchange program.  
AF Times 32:41 May 17 '72

Our man in San Javier. (USAF Maj Salvador  
Rodriguez, Allied Exchange Officer at the  
Spanish AF Academy) MSgt Loren B. Leonberger.  
illus Airman 16:42-46 May '72

A whole new cricket match or a Yank in the R.A.A.F.  
Capt Michael E. Ryan. illus USAF Ftr Wpns Rev  
No. 4:26-28 Winter '71

EXCHANGESAir Force--U.S.

Abuse of base exchange privileges. TIG Brief 24:3  
Sep 29 '72

EXCHANGES - ContinuedAir Force--U. S. - Cont'd

Clean-up service near for on-base housing. AF Times 32:2 Mar 1 '72

Tourists due for shock in o'sea BXs. Bob Towle. AF Times 32:3 Mar 15 '72

Wives air housing, store gripes--no children in commissaries? (AF Career Motivation Conference, Maxwell AFB, Ala, June 5-9, 1972) Sue Toma. AF Times 33:8 Aug 23 '72

Armed Forces--U. S.

Attempted thefts from BXs set record with 831 caught. Bob Towle. AF Times 32:1+ Mar 1 '72

BX costs to go up, price hike unlikely. AF Times 33:44 Sep 27 '72

BX profits dip, price rise seen. Bob Towle. AF Times 32:1+ Jun 7 '72

BXs boost uniform prices 9 percent; another hike due. AF Times 33:5 Dec 27 '72

BXs eye fund transfers to forestall price hikes (according to MajGen William B. Campbell). Bob Towle. AF Times 32:3 Jul 12 '72

Clothing sales problem for BX. Interview. MajGen William B. Campbell. AF Times 32:54 Jul 19 '72

Cost to stock BX shelves rises 15% in 5 years. AF Times 33:22 Oct 18 '72

Devaluation hikes o'sea BX prices. Tom Wuriu. AF Times 32:10 Jan 19 '72

Exchanges offer cleaning service. AF Times 32:6 Jan 12 '72

Exchanges to continue price cuts despite wage increases. Bob Towle. AF Times 32:4 Jan 26 '72

HCP (HexaChloroPhene) cosmetics named, banned. AF Times 33:5 Dec 27 '72

Jobs for military pushed by AAFES. AF Times 32:20 May 31 '72

NAF cut slated. Bob Towle. AF Times 32:1+ Jan 12 '72

New Office of Morale chief--plan would combine rec funds. Bob Towle. AF Times 32:3 Jul 19 '72

News from military. Regular feature in some issues of Review

O'sea people save on cars. AF Times 32:22 Apr 5 '72

The PX price seesaw. Jim Sample. tab AF Times, Family sup:8 Aug 2 '72

Profit pressure hikes BX prices. AF Times 33:8 Nov 22 '72

Stereo component ban in exchanges upheld. AF Times 33:10 Nov 15 '72

Thieves can't shop (at military exchanges). AF Times 33:19 Aug 16 '72

Navy--U. S.

Permanent improvement program for the exchanges. J. Linskey. illus Review 51:15+ Mar-Apr '72

EXECUTIVES

Job switching in government and industry--Uncle Sam has payoff for both sectors. illus Govt Exec 4:71-73 Jun '72

EXERCISESee also  
OperationBrave Shield

'Brave Shield' under way. AF Times 33:63 Dec 13 '72

Exercises Brave Shield, North Forty 1 and Deep Furrow. illus Air Reservist 24:8-10 Mar '72

Sit up and take notice. (Exercise Brave Shield) illus Natl Guardsman 26:16-18 May '72

Exotic Dancer

Exercise "Exotic Dancer" (V). illus Natl Guardsman 26:22-25 Jul '72

Exotic Dancer V. illus Air Reservist 24:12-13 Jul '72

50,000 'dance' in Carolinas (in Exercise Exotic Dancer V). AF Times 32:50 Jun 7 '72

Gallant Hand

(Exercise) Gallant Hand 72. James E. Elsener. illus Army 22:30-33 May '72

Gallant Hand '72. illus Air Reservist 24:8-9 May '72

Hell on wheels defeats the heliborne threat. (Exercise Gallant Hand 72) LtCol J. Hollis McCrea, Jr. illus Armor 81:23-25 Sep-Oct '72

Keeps 'em hopping--testing troop readiness (in) Gallant Hand 72. SP4 Chuck Noland. illus Soldiers 27:18-25 Jun '72

Reforger

Reforger III fulfills NATO pledge. illus Armor 81: 42-45 Jan-Feb '72

Sentry Creole

Sentry Creole 1--up front with the Infantry. illus Air Reservist 24:12-13 Jun '72

EXPEDITIONS see Scientific Expeditions

EXPLORERS AND EXPLORATIONS

Pioneer Arctic flying: More than a race to the Pole. Gordon T. Morris. illus map Aerosp Hist 18:178-182 Dec '71

Russia's ancient ally: The sea. Robert W. Daly. illus tab US Nav Inst Proc 98:60-67 Aug '72

Stand tall: You're in navigator country. illus Combat Crew 23:20-23 Jun '72

EXPLOSIVES AND EXPLOSIONSSee alsoNuclear Explosions

Destruction of the USS Maine--accident or sabotage? LtCol L. VanLoan Naisawald, Ret. illus US Nav Inst Proc 98:98-100 Feb '72

Explosives-loaded aircraft. TIG Brief 24:14 May 5 '72

Explosives safety. Regular feature in some issues of Aerospace Safety

Structural response to seismic motion generated by conventional explosives. J. P. Nicoletti and J. M. Keith. illus Mil Engr 64:326-329 Sep-Oct '72

EXPORT AND IMPORT TRADE

American aviation at a crossroads. Benjamin F. Schemmer. illus tab Armed Forces J 110:24-25+ Nov '72

EXPORT AND IMPORT TRADE - Continued

- China's foreign trade--a post-cultural revolution appraisal. LtCol Sidney Klein. illus tabs Mil Rev 52:54-60 Jun '72
- Economic readiness. (Remarks, 54th Annual Meeting, American Ordnance Assoc, Washington, May 11, 1972) Eugene T. Rossides. Ordnance 57:32-35 Jul-Aug '72
- The Eximbank (Export-Import Bank): A truly supportable enterprise. Earl W. Clark. illus Def Trans J 28:56-61 Mar-Apr '72
- Munitions export control policies and procedures. Marvin J. Hout. illus Def Mgt J 8:49-52 Jul '72
- The need for a new U.S. policy toward Cuba in the 1970's. CAPT O. K. Hallam. tabs Forum No. 13: 52-69 Fall '71; Adaptation. Nav War Col Rev 24: 1-15 Mar '72
- Status quo paperwork will no longer throttle transportation progress. Robert E. Redding and Harold E. Harriman. illus Def Trans J 28:36-41 Mar-Apr '72
- U. S. -Japanese shipping problems. Neil Regeimbal. illus Def Trans J 28:36-38 Sep-Oct '72

EXTENSION COURSE INSTITUTE

- AFRes tightens criteria for bars (through the Deserving Airman Commissioning program by adding ECI Reserve Officer Preparatory Course). AF Times 33:47 Sep 6 '72

ECI and you. Col G. G. Isenhower. Airman 16:30 Jan '72

EXTRASENSORY PERCEPTION

- Space experiment in ESP. Capt Edgar D. Mitchell. (Adapted from Journal of Parapsychology, June 1971) illus Spaceflight 14:20-21 Jan '72

EXTRATERRESTRIAL LIFE

- Astrogenic environments: The effect of stellar spectral classes on the evolutionary pace of life. Krafft A. Ehrlicke. illus tabs Spaceflight 14:2-14 Jan '72
- Exobiology, Jupiter and life. P. M. Molton. illus Spaceflight 14:220-223 Jun '72
- Missions to Jupiter. Anthony R. Martin. illus Spaceflight pt 1, 14:294-299 Aug '72; pt 2, 14:325-332 Sep '72
- Observatories exploring reddish planet. G. Petrov and V. Moroz. illus Space World I-5-101:60-64 May '72
- On the search for extra-solar intelligence. R. P. Haviland. tabs Spaceflight 14:217-219+ Jun '72
- Signals from other worlds. (1st Soviet/U. S. Conference on Communications with Extra-Terrestrial Intelligence (CETI)) Boris Belitsky. illus Spaceflight 14:17-19 Jan '72

EXTRATERRESTRIAL LIFE - Continued

- Third meteorite contains amino acids. Space World I-3-99:30 Mar '72
- Water on Mars might not support life. Space World I-8-104:42 Aug '72
- Where should space neighbors be looked for? Georgi Pokrovsky. Space World I-7-103:46-47 Jul '72; I-7-106:46-47 Oct '72
- Will robots find life on Mars? Alexei Trofimov and others. Space World I-7-103:40-43 Jul '72

EYES

- Color defective vision and day and night recognition of aviation color signal light flashes. Jo Ann Steen and Mark F. Lewis. illus tabs Aerosp Med 43: 34-36 Jan '72
- Computer analysis of eye movement patterns during visual search. Mark Troy and others. illus tab Aerosp Med 43:390-394 Apr '72
- Drusen of the optic disc with visual field defect and Marcus Gunn pupillary phenomenon. (Aeromedical consultation service case report) William E. Barry and Thomas J. Tredici. illus Aerosp Med 43:203-206 Feb '72
- Effect of altitude acclimatization and simultaneous acclimatization to altitude and cold on critical flicker frequency at 11,000 ft altitude in man. C. S. Nair and others. illus tabs Aerosp Med 43:1097-1100 Oct '72
- Effects of different alcohol dosages and display illumination on tracking performance during vestibular stimulation. Richard D. Gilson and others. illus tabs Aerosp Med 43:656-660 Jun '72
- Eye bank tissues shipped. AF Times 32:38 Apr 12 '72
- Idiopathic central serous retinopathy (choroidopathy) in flying personnel. David L. Epstein and others. illus tabs Aerosp Med 43:1251-1256 Nov '72
- Keratoconus in USAF flying personnel. William E. Barry and Thomas J. Tredici. tabs Aerosp Med 43: 1027-1030 Sep '72
- Microwave cataractogenesis: A critical review of the literature. William C. Milroy and Sol M. Michaelson. Aerosp Med 43:67-75 Jan '72
- Ocular complications of drug therapy. Thomas J. Tredici and David L. Epstein. Aerosp Med 43: 898-902 Aug '72
- Pupillotonia (Adie's pupil): Diagnosis and significance in fliers. David L. Epstein and Thomas J. Tredici. illus Aerosp Med 43:555-559 May '72
- Vestibular response to angular accelerations and to coriolis stimulation following alcohol ingestion. Ronald J. Hill and others. illus tabs Aerosp Med 43:525-532 May '72



FAA see Federal Aviation Administration

FAM CAMPS see Recreation; Travel, Military

FBI see Federal Bureau of Investigation

FOBS see Fractional Orbital Bombardment System

FAIR, Robert L.

Army's MajGen Fair: The next target is SAILS (Standard Army Intermediate Logistics System). por Govt Exec 4:40 Jul '72

FALLOUT see Radioactive Fallout

FAR EAST

The military outlook in the Far East. (Address, AUSA Annual Meeting, Washington, Oct 13, 1971) ADM John S. McCain, Jr. AF Plcy Ltr for Comdrs: Sup No. 1:16-28 Jan '72

FATIGUE

"Can do" can do you in--management and command responsibility for operational pilot fatigue. CDR J. E. Garlitz. (Adapted from Aerospace Safety, June 1971) illus Approach 17:18-22 May '72

Some "actualities" of war. Hugh L'Etang. illus RUSI J for Def Studies 117:64-68 Mar '72; Mil Rev 52:87-95 Aug '72

Time zone entrainment and flight stressors as interactants. H. B. Hale and others. illus Aerosp Med 43:1089-1094 Oct '72

FATIGUE IN METALS see Strains and Stresses

FEAR

Communication barrier: Stage fright. Kurt W. Ritter. USAF Instrs J 9:25-29 Spring '72

Some "actualities" of war. Hugh L'Etang. illus RUSI J for Def Studies 117:64-68 Mar '72; Mil Rev 52:87-95 Aug '72

FEDERAL AVIATION ADMINISTRATION

Air traffic controllers. H. R. Kaplan. illus Review 51:34-35+ Mar-Apr '72

The collision avoidance caper. Joan Feldman. illus Govt Exec 4:36-37+ Jun '72

Collision avoidance procrastination continues. Interavia 27:1005 Sep '72

FAA nav exam. Capt Louis R. Volpicelli. illus Navigator 19, No. 2:10-11 '72

Implementing area navigation. tabs Interavia 27:616-617 Jun '72

Is relief in sight for the airports? (Interview with John H. Schaffer) Joan Feldman. illus Govt Exec 4:57-58 May '72

Keep 'em high. (FAA program to reduce midair collision danger) illus MAC Flyer 19:13 Jul '72

Postexercise electrocardiograms, coronary heart disease, and airline pilots. Glen E. Garrison and Warren H. Gullen. illus Aerosp Med 43:86-91 Jan '72

Why USAASO (U.S. Army Aeronautical Services Office) sez? Col George Rogers. illus USA Avn Dig 18:18-22 Jan '72

FEDERAL BUREAU OF INVESTIGATION

Problems between FBI, states and LEAA. E. Drake Lundell, Jr. illus Govt Exec 4:44+ Nov '72

FEDERAL SUPPLY SERVICE

GSA--the Federal Supply Service. Lewis E. Spangler. charts illus map Army Log 4:4-7+ Mar-Apr '72

FEDERAL TELECOMMUNICATIONS SYSTEM see Communications Systems--U. S.

FELICES, Salvador E.

A select group--the missile maintenance technician is one of the most highly skilled and trained individuals in the Air Force. (Olympic Arena '72) MajGen Salvador E. Felices. illus Combat Crew 23:10-11 Apr '72

FELLOWSHIPS see Scholarships and Fellowships

FERRYING OF AIRCRAFT

Ferry flight (of 2 T-42s from Langley AFB, Va to Ankara, Turkey). CW3 G. J. Barton and CW2 P. R. Lefebvre. map illus USA Avn Dig 18:24-28 Jul '72

The longest mission. (Ferrying a U-1A from Addis Ababa, Ethiopia, to Sandhofen, Germany) Capt Samuel C. Raines. illus USA Avn Dig 18:6-9+ Feb '72

FEYEREISEN, Paul A.

Workability of program management. MajGen Paul A. Feyereisen, Ret. Def Mgt J 8:23-26 Apr '72

FIELD ARTILLERY see Artillery, Field

FIELD TRAINING DETACHMENTS

The teachers. Bob Reed. illus Airman 16:11-13 Mar '72

FIGHTER UNITS

Competitions--Comfort Silver, Combat Airlift, William Tell. illus Air Reservist 24:4-5 Nov '72

Daggers to Darts (at 120th Ftr Gp, ANG). illus Air Reservist 24:6-7 Jul '72

Dakota outfits, Wisconsin ANG win ADC Meet (William Tell '72). illus tab AF Times 33:27 Oct 18 '72

48th (Fighter Interceptor Sq) wins (1971) Hughes Trophy. illus Interceptor 14:17-19 Feb '72

Fighter unit (12th TF Sq) deactivated. AF Times 32:23 Jul 26 '72

Fighters compete in William Tell meet in quest of Richard Bong trophy. AF Times 33:43 Sep 20 '72

History of No. 24 Squadron. J. D. R. Rawlings. illus Air Pict 34:144-147 Apr '72

It's nice to be back in the fighter business. (434th Special Operations Wg, Grissom AFB, Ind) illus Air Reservist 24:10-11 May '72

Last fighter unit leaves Vietnam--VNAF gets 8th SOS jets. AF Times 33:47 Oct 25 '72

2 F-4 squadrons (58th, 308th TFSqs) sent to Thailand. Ed Gates. AF Times 32:4 May 17 '72

William Tell '72. illus tab Interceptor 14:16-17 Aug '72

William Tell 72--what it's all about. illus Interceptor 14: entire issue Nov '72

History

The day the 31st Fighter Group won its unit citation. Jim Brooks. illus AF Mag 55:73-75 Oct '72

FIGHTER UNITS - ContinuedHistory - Cont'd

From the zenith to the deck. (8th Fighter Command in WW II) BrigGen Francis H. Griswold. TAC Attack 12:16-17 Sep '72

No. 41 Squadron--a history. J. D. R. Rawlings. illus Air Pict 34:428-431 Nov '72

FIGHTER WEAPONS AND GUNNERY MEETS

Tactical fighter squadron "Top Gun" competition. Capt Alexander H. C. Harwick. illus USAF Ftr Wpns Rev No. 4:14-17 Winter '71

Air Force

Competitions--Comfort Silver, Combat Airlift, William Tell. illus Air Reservist 24:4-5 Nov '72

Dakota outfits, Wisconsin ANG win ADC Meet (William Tell '72). illus tab AF Times 33:27 Oct 18 '72

Fighters compete in William Tell meet in quest of Richard Bong trophy. AF Times 33:43 Sep 20 '72

William Tell '72. illus tab Interceptor 14:16-17 Aug '72

William Tell 72--what it's all about. illus Interceptor 14: entire issue Nov '72

FINANCESee also

Auditing

Air Force--U.S.See also

Air Force Accounting and Finance Center

A&F (Accounting and Finance) junior officer development. Robert C. Woods. illus AF Compt 6:29 Jan '72

AFAFC's AMPS (Accrued Military Pay System) 360/65 system. Capt Charles L. Martin, Jr. illus tabs AF Compt 6:8-10 Jan '72

AFO (Accounting & Finance Officer) training--our most critical course? Capt Kenneth W. Baker. illus AF Compt 6:15+ Apr '72

Base level financial management. Maj William O. Womble and Capt Richard J. Lusk. chart illus AF Compt 6:22-23 Apr '72

Base level financial statement. TIG Brief 24:21 Aug 18 '72

Comptroller activities at major commands: Hq Air Force Systems Command, Steve Canton. illus tab AF Compt 6:2-8 Jul '72

Easing the bill paying burden (with allotments). Kitty Kattenhorn. Airman 16:17-19 Nov '72

Fuels management and the base level AFO. Capt Charles L. Martin, Jr. illus AF Compt 6:34-35 Oct '72

The many faces of SAC's "Mr Pay." Col A. H. Watkins. illus AF Compt 6:16-17 Jan '72

Armed Forces--U.S.See also

Joint Uniform Military Pay System

Financial management digest. Regular feature in some issues of Armed Forces Comptroller

FINANCE - ContinuedDefense Dept--Great Britain

The United Kingdom's mod MOD (Ministry Of Defense) financial management. Steve Canton. illus AF Compt 6:2-7 Jan '72

Defense Dept--U.S.

Changes in Defense Department contract financing policy. Col Bruce S. Benefield. illus Def Ind Bul 8:18-20+ Winter '72

Thoughts on comptrollership. (From remarks, American Society of Military Comptrollers West Coast Regional Symposium, San Diego, Calif, Feb 10-11, 1972) BrigGen E. S. Wittbrodt, Ret. illus Armed Forces Compt 17:28-33 Spring '72

Working capital funds. John F. Wallace. illus Army Log 4:8-11+ May-Jun '72

Marine Corps--U.S.

Operation and maintenance, Marine Corps. Col E. Y. Holt, Jr. illus Armed Forces Compt 17:10-13+ Winter '72

FINLAND

The Nordic countries in a changing Europe. Egil Ulstein. (Condensed from Part 3 of Adelphi Papers No. 81, Nov 1971) illus Mil Rev 52:50-63 Sep '72

FIRE CONTROL

Here is entered material on the control of weapon fire. For control of forest, house and similar fires see Fires and Fire Prevention.

Field artillery operations. tabs Fld Artilleryman No. 50:74-84 Oct '72

Study and Teaching

Cannons and computers. Capt Darrel L. Gerke. illus Fld Artilleryman No. 49:35-37 Feb '72

Lifting the fog of the war. (Army Tactical Data Systems) Eric C. Ludvigsen. illus Army 22:30-34 Jul '72

TACFIRE--an innovation in artillery. George E. Miller. illus tab Armor 81:8-13 Jul-Aug '72

FIRE CONTROL EQUIPMENT

AMX-30 firepower--the 'Obus G' HEAT round. Col Jean P  rin, Ret. illus Intl Def Rev 5:86-89 Feb '72

FLER-H, a hybrid tank fire control computer. E. Grambach. illus Intl Def Rev 5:77-78 Feb '72

Field artillery equipment. tabs illus Fld Artilleryman No. 50:4-49 Oct '72

Tank fire control system design philosophy. A. Simon. illus Intl Def Rev 5:75-76 Feb '72

Tank gunnery training. Jac Weller. illus Natl Guardsman 26:2-8 May '72

Tank weapon effectiveness. Robert J. Bibbero. illus Ordnance 56:305-309 Jan-Feb '72

Testing

(Live demonstration of TACFIRE system) Signal 26: 89-90 Jul-Aug '72

FIRE DIRECTION CENTER

Lifting the fog of the war. (Army Tactical Data Systems) Eric C. Ludvigsen. illus Army 22:30-34 Jul '72

FIRE DIRECTION CENTER - Continued

TACFIRE--an innovation in artillery. George E. Miller. illus tab Armor 81:8-13 Jul-Aug '72

FIREARMS see Small ArmsFIREPOWER

Firepower battlefield. LtCol William L. Hauser. (Reprinted from Military Review, Oct 1971) illus Fld Artilleryman No. 49:75-80 Feb '72

Flexibility and the fire team. illus Capt James H. Webb. MarCor Gaz 56:25-28 Apr '72

The modern battle tank. illus Intl Def Rev pt 1, Current types and their characteristics. 4:581-586 Dec '71; pt 2, Firepower. F. Schreier. 5:59-66 Feb '72; pt 3, Mobility (1) Engines. F. Schreier. 5:161-168 Apr '72; pt 3, Mobility (2) Steering and transmissions. F. Schreier. 5:284-291 Jun '72

A plus for firepower. (Dual-purpose 40-mm round M433 shoulder-fired from the lightweight M79 launcher) Wallace J. Harvey. illus Ordnance 57:142-143 Sep-Oct '72

FIRES AND FIRE PREVENTIONSee also

Airplanes in Fire Fighting

Helicopters in Fire Fighting

also subdivision under specific subjects, e. g., Airplanes, Military--Fires and Fire Prevention

Beware of flammable liquids! TIG Brief 24:5 Feb 25 '72

Danger in the dorms! TIG Brief 24:8 Aug 18 '72

Disaster and emergency planning for magnetic tape libraries. TIG Brief 24:7-8 May 19 '72

Fire! (Fire hazards around the flight line) CW2 Peter J. Smith. illus USA Avn Dig 18:6-7 May '72

Probey--for fires, crime, etc. illus Govt Exec 4:14 Nov '72

Simulator trains firemen at Eglin (AFB, Fla). AF Times 32:52 Apr 26 '72

FIRING RANGES

Guano and puff rounds: Navy starts Culebra pullout. map Armed Forces J 109:13 Feb '72

Weapons ranges. TIG Brief 24:2 Sep 1 '72

FISH INDUSTRY AND TRADE

The holey gates. (Dam modifications to reduce fish mortality) Edward N. Sanchez. illus Mil Engr 64:5-7 Jan-Feb '72

Russia

Watching the Soviet fleet: The Coast Guard's sea-going diplomats are trying to protect the rights of U.S. fishermen. Andrew Schneider. illus AF Times, Family sup:22-24+ Oct 18 '72

United States

Watching the Soviet fleet: The Coast Guard's sea-going diplomats are trying to protect the rights of U.S. fishermen. Andrew Schneider. illus AF Times, Family sup:22-24+ Oct 18 '72

FITZHUGH BLUE RIBBON DEFENSE PANEL see Blue Ribbon Defense Panel

FLAG OFFICERSStatistics

U.S. generals are badly outnumbered. tab Armed Forces J 109:60 May '72

Great Britain

One fleet: A structural outline. Comdr R.W. Moland. illus chart RUSI J for Def Studies 117:17-20 Jun '72

United States

First woman (Alene B. Duerk) becomes an admiral. Armed Forces J 109:11 Jun '72

Flag and general officers of the naval services; officers of flag rank of the U.S. Navy, U.S. Coast Guard, and NOAA, and general officers of the U.S. Marine Corps on active duty as of 1 January 1972. Pors only. US Nav Inst Proc 98:281-317 May '72

How to make flag rank--don't wander far from home. Thomas C. Steinhauser. Armed Forces J 109:20+ Jul '72

Navy names 50 for flag rank. Sea Power 15:37 Jun '72

Statistics

Four-star anomaly. Armed Forces J 109:16 Feb '72

FLAGS

Four streamers added to Corps battle standard. MarCor Gaz 56:6 Dec '72

Let our flag salute, too. MajGen A.S. Newman, Ret. illus Army 22:42-46 Apr '72

FLEET, 2d

NATO's Striking Fleet Atlantic. VADM Vincent Paul de Poix. illus NATO's Fifteen Nations 17:38-44 Feb-Mar '72

FLEET, 6th

View from the bridge of the Sixth Fleet flagship. ADM Isaac C. Kidd, Jr. illus map US Nav Inst Proc 98:18-29 Feb '72

FLEET, 7th

Floating policeman. Capt V. Koltsov. illus Soviet Mil Rev No. 4:49-50 Apr '72

The MPDS--Message Processing and Distribution System: A special report from the Seventh Fleet. illus Signal 27:33-34 Dec '72

FLEET MARINE FORCE--Marine Corps--U. S. see Marine Corps--U. S.

FLETCHER, James C.

The space shuttle. (Statements by Richard M. Nixon and James C. Fletcher, Jan 5, 1972) illus Spaceflight 14:122-125 Apr '72

FLIGHT CONTROL SYSTEMS

The A. 300B Airbus--combining European experience. illus Interavia 27:65-66+ Jan '72

Concorde's automatic flight control system. illus Interavia 27:126-127 Feb '72

The DC-10 automatic flight guidance system. illus Interavia 27:244-245 Mar '72

Electro-RAM (Electro-mechanical Redundant Actuator Mechanism): A new actuator concept for Fly-By-Wire (FBW). R.H. Mitchell and R.L. Warren. illus tab Signal 26:65-67 Jun '72



FLIGHT CONTROL SYSTEMS - Continued

Flight controls. Vernet V. Poupitch. tab Aerosp Safety 28:12-13 Jan '72

How computers will fly tomorrow's airplanes. Interview. BrigGen K.R. Chapman. illus AF Mag 55:28-35 Jul '72

(New helicopter Precision Hover Sensor--PHS) Signal 27:56 Nov '72

FLIGHT INFORMATION

Here are entered articles on services provided for the purpose of giving advice and information useful for the safe and efficient conduct of flights.

See also related subjects, e.g.,  
Weather Forecasting

Dissemination of meteorological information at large airports. L. Thibord. illus Interavia 27:76-77 Jan '72

In flight line of sight. Capt John W. Louer. Combat Crew 23:16 Mar '72

PIREPS (Pilot weather REPortS)--a reminder. illus Approach 18:4-5 Oct '72

FLIGHT INSTRUMENTS see Aeronautical Instruments

FLIGHT NURSES

Flight nurses get new uniform. illus AF Times 32:8 Feb 16 '72

Mental health intervention in aeromedical evacuation. Marilyn A. Becker. illus Aerosp Med 43:333-339 Mar '72

FLIGHT PAY

Flight \$ struggle renewed. Bruce Callander. AF Times 33:1+ Sep 13 '72

Flight pay. TIG Brief 24:3-4 Jun 30 '72

Fly pay answers hunted. AF Times 33:8 Oct 25 '72

Fly pay denials loom. Bruce Callander. AF Times 33:1+ Sep 27 '72

Fly pay plan due by June. Bruce Callander. AF Times 33:1+ Oct 18 '72

Hazardous duty pay overhaul launched. Bruce Callander. AF Times 33:3 Nov 15 '72

Pay plan for fliers aimed at 'mid years.' Bruce Callander. AF Times 32:13 Mar 1 '72

'Pro' flying changes eyed under congressional order. AF Times 32:20 Jan 19 '72

Proficiency flying cutback protested. AF Times 32:8 Jan 5 '72

'Promises' betrayed? Many charge changes break implied contract. Bruce Callander. AF Times 33:13 Dec 13 '72

Separate flight pay rates may go--for crew, non-crew. AF Times 33:42 Nov 8 '72

Some still face 4-hour minimum for flight money. AF Times 33:10 Oct 11 '72

Special pay boosts urged--flight pay, re-up bonuses. Randall Shoemaker. AF Times 32:1+ Feb 9 '72

Squeeze hitting senior fly pay. Bruce Callander. AF Times 33:1+ Dec 6 '72

Tough rules shaping up on pro flying. Bruce Callander. AF Times 32:1+ Jun 7 '72

Word to flying airmen: Forget 'excusal' status. AF Times 32:2 Feb 9 '72

FLIGHT PLAN

Computer flight plan. Capt Phil Budd. tabs illus MAC Flyer 19:16-20 Jan '72

ICAO and you. Maj James P. Leger. Combat Crew 23:26-27 Jan '72

The longest mission. (Ferrying a U-1A from Addis Ababa, Ethiopia, to Sandhofen, Germany) Capt Samuel C. Raines. illus USA Avn Dig 18:6-9+ Feb '72

No plan, no fuel, no pitch. illus USA Avn Dig 18:44-45 Mar '72

What does it take to fly the mission. Capt Joseph R. Davis. Combat Crew 23:2-3 Sep '72

FLIGHT RECORDS

Here are entered articles on the logs and reports of a flight. For articles on record flying time for a given distance see Aviation Records

Is your aircraft mission ready? Capt Edwin M. Sava-cool. illus USA Avn Dig 18:12-13 Oct '72

The longest mission. (Ferrying a U-1A from Addis Ababa, Ethiopia, to Sandhofen, Germany) Capt Samuel C. Raines. illus USA Avn Dig 18:6-9+ Feb '72

Nails for sale. (Results of innocent padding of flight time) LtCol Donald R. Jordan. illus tabs USA Avn Dig 18:32-35 Aug '72

FLIGHT SIMULATORS

Elmendorf's F-4 simulator provides real feel. Sgt Steve Gordenier. AF Times 32:25 Feb 16 '72

Flight simulators. TIG Brief 24:6 Jun 2 '72

High temperature and performance in a flight task simulator. P.F. Lampietro and others. illus tab Aerosp Med 43:1215-1218 Nov '72

Improvements begun in flight instruction. AF Times 32:3 May 3 '72

Man-machine tests made for planned aircraft. AF Times 32:44 Mar 15 '72

Military pilot training--time for improvement. CDR W.A. Speer, Ret and LtCol J.B. Kusewitt, Ret. illus US Nav Inst Proc 98:31-36 Mar '72

Modern-day test pilots enjoy computer safety. AF Times 33:22 Sep 13 '72

NCLT (Night Carrier Landing Trainer)--a complete approach. LCDR J.R. McDaniel. illus Approach 17:16-22 Feb '72

New environment for navigation training. TIG Brief 24:2 Dec 22 '72

SFTS--Synthetic Flight Training System. Maj Fred-eric H. Stubbs. illus tabs USA Avn Dig 18:6-11 Sep '72

Simulator contracted. AF Times 32:59 May 10 '72

Simulator to teach formation flying. AF Times 32:61 Mar 8 '72

FLIGHT SURGEONS

Capt (George C.) Johnston (named) USAF Flight Surgeon of Year. illus Aerosp Med 43:930 Aug '72

The flight surgeon in flight... LtCol Nicholas E. Barreca. illus tab USA Avn Dig 18:16-19 Oct '72

The flight surgeon's "medical team" in aircraft accident investigation. Maj Robert R. McMeekin and Capt Clifford C. Hudson. illus USA Avn Dig 18:16-19 Jul '72

FLIGHT SURGEONS - Continued

LtCol (Nicholas E.) Barreca (named) Army Flight Surgeon of Year. illus Aerosp Med 43:929 Aug '72

To serve those who fly. (Aeromedical Consultation Service, USAF School of Aerospace Medicine, Brooks AFB, Tex) Col John W. Ord and LtCol William H. King. illus Aerosp Safety 28:14-16 May '72

FLIGHT TRAINING

See also

Pilots--Education and Training

Air Force--Great Britain

Sixty years of flying history. (Central Flying School) Air Commodore F. S. Hazlewood. Royal Air Forces Qtr 12:31-35 Spring '72

Air Force--U.S.

Instructional System Development (ISD). TIG Brief 24:14 Dec 8 '72

Remember when, or let's not forget the basics.

SqLdr Donald Melvin. map Aerosp Safety 28:6-8 Jan '72

TAC halts F-111 training flights after two crashes. AF Times 32:19 Jul 5 '72

Armed Forces--U.S.

Military pilot training--time for improvement. CDR W. A. Speer, Ret and LtCol J. B. Kusewitt, Ret. illus US Nav Inst Proc 98:31-36 Mar '72

Army--U.S.

The new challenge (for Army Aviation). LtGen John J. Tolson. illus USA Avn Dig 18:2-3+ Dec '72

The way of the future: Low level. LtCol Donald R. Hull. illus USA Avn Dig 18:2-3+ Oct '72

Navy--U.S.

Factor analysis of undergraduate and postgraduate flight training grades. Ronald M. Bale and others. tabs Aerosp Med 43:372-375 Apr '72

NavCad or college grad? (Recruitment, education and retention of naval aviators) CAPT James E. Williams. illus US Nav Inst Proc 98:49-53 Apr '72

FLIGHTS, FAMOUS AND HISTORIC

(First military crew to attack multiple targets simultaneously with multiple missiles) Signal 27:63 Dec '72

The flight from Bermuda to England by Boeing Clipper "Berwick"--January 1942. E. B. Halsam. Royal Air Forces Qtr pt 1, 12:91-97 Summer '72; pt 2, 12:185-190 Autumn '72

How we made the first flight. Orville Wright. (Reprinted from Flying, Dec 1918) illus TAC Attack 12:4-9 Sep '72

Pioneer Arctic flying: More than a race to the Pole. Gordon T. Morris. illus map Aerosp Hist 18:178-182 Dec '71

Stand tall: You're in navigator country. illus Combat Crew 23:20-23 Jun '72

Transpacific flight. Sally Macready Liston. illus map Am Avn Hist Soc J 17:21-25 Spring '72

Washington to Alaska and back: Memories of the 1934 U.S. Air Corps test flight (in Martin B-10's). MajGen Hugh J. Knerr. illus map Aerosp Hist 19:20-24 Mar '72

FLIGHTS, FAMOUS AND HISTORIC Continued

Wrights: Close to giving up. AF Times 33:43 Dec 27 '72

FLOODS see Disasters

FLUCKEY, Eugene B.

Iberian Atlantic Area Command. RADM Eugene B. Fluckey. por NATO's Fifteen Nations 17:90-91+ Feb-Mar '72

FLUIDICS

Fluidics in ordnance. Richard K. Smith. illus Ordnance 56:391-394 Mar-Apr '72

Military fluidics. Carroll H. Staley and A. E. Schmidlin. illus Ordnance 57:240-242 Nov-Dec '72

FLUTTER see Vibration

FLYING BELT see Belt, Aerial Thrust

FLYING BOATS see Seaplanes

FLYING CLUBS see Aero Clubs

FLYING SAFETY

See also

Airplanes--Safety Measures

Airplanes, Military--Safety Measures

Helicopters--Safety Measures

Helicopters, Military--Safety Measures

Mountain Flying

Aerial combat tactics. (Interview with Maj Ed Woelfel and Larry Haight) illus Interceptor 14:5-11 May '72

Aerial delinquents often become daisy pushers. A. V. (Tony) LeVier. MAC Flyer 19:10-12 Dec '72

Automatic altitude reporting. illus Approach 18:20-21 Jul '72

Aviate, navigate, communicate. illus Approach 17:1-3 Jun '72

Aviation safety in combat--an appraisal of the experiences of Army Aviation unit commanders in RVN. illus tabs USA Avn Dig 18:36-45+ Feb '72

Blowup. (Dysbarism) illus Approach 17:26-30 May '72

"Can do" can do you in--management and command responsibility for operational pilot fatigue. CDR J. E. Garlitz. (Adapted from Aerospace Safety, June 1971) illus Approach 17:18-22 May '72

Can you remember what an autorotation is ... really? Capt Gary W. Wing. illus USA Avn Dig 18:8-9+ Oct '72

Cerebral volation--or how to avoid the hard things in flight. Maj R. L. Wing. illus MAC Flyer 19:12-15 May '72

General (John D.) Ryan's seven (safety) points: What's your attitude? MAC Flyer 19:8-9 Dec '72

Grow old with me. Robert W. Duncan. (Reprinted from Combat Crew, April 1960) illus Combat Crew 23:18-21 Sep '72

Knowledge vs desire. Victor E. Schultze, Jr. illus Approach 18:4-5 Sep '72

Lightning. illus MAC Flyer 19:12-15 Apr '72

Ma Nature's Sunday punch (lightning). Capt James F. Hines. tabs TAC Attack 12:28-29 May '72

McNair versus the bull. LtCol Carl H. McNair, Jr. illus USA Avn Dig 18:2-5+ Feb '72

FLYING SAFETY - Continued

- Mandatory Instrument Flight Rules (IFR) operations. TIG Brief 24:17 Feb 11 '72
- Midairs with birds. illus maps Approach 17:26-33 Mar '72
- Nails for sale. (Results of innocent padding of flight time) LtCol Donald R. Jordan. illus tabs USA Avn Dig 18:32-35 Aug '72
- No plan, no fuel, no pitch. illus USA Avn Dig 18:44-45 Mar '72
- Prediction of flight safety hazards from drug induced performance decrements with alcohol as reference substance. Karl E. Klein. illus tab Aerosp Med 43:1207-1214 Nov '72
- Scratch two downwind. LtCol Gerald A. Jones. illus Aerosp Safety 28:18-19 Jan '72
- Stapedectomy: A threat to flying safety? Russell B. Rayman. tab Aerosp Med 43:545-550 May '72
- That extra margin (anti-G suit). illus Approach 17:10-13 Mar '72
- That frigid old man is here again. Ted Kontos. illus USA Avn Dig 18:36-39 Dec '72
- Those man-made rocks (heavy jet wake turbulence) in the sky. Capt Phil Budd. illus MAC Flyer 19:3-6 Nov '72
- The tiger vs the fool--ASOs (Aviation Safety Officers) speak out. illus Approach 18:1-3 Dec '72
- A tragedy of "airs." Maj Frederic M. Brown. Interceptor 14:20-23 Apr '72
- Transports in turbulence. Maj Ed Ross. illus MAC Flyer 19:3-8 Apr '72
- A very uneven contest. (Aircraft against thunderstorms) illus MAC Flyer 19:26-27 Jun '72
- The Vice Chief (of Staff) speaks on flying safety. TIG Brief 24:19 Apr 21 '72
- Warning! Severe weather ahead. illus Approach 17:4-6 Jun '72

FLYING STATUS

- Flight \$ struggle renewed. Bruce Callander. AF Times 33:1+ Sep 13 '72
- Fly pay denials loom. Bruce Callander. AF Times 33:1+ Sep 27 '72

FLYING TIME

- Here are entered articles on time spent in flying by an individual pilot to maintain his proficiency rating. For articles on record flying time for a given distance see Aviation Records.
- Choice: FHG (Flying Hour Goal) or AEI (Aviation Efficiency Index). LtCol Martin R. Vissers. illus USA Avn Dig 18:24-27 Nov '72
- DOD tightens flying rules. Bruce Callander. AF Times 32:1+ Apr 26 '72
- Defense sets limits on pro flying officers. AF Times 33:2 Aug 9 '72
- Flight pay. TIG Brief 24:3-4 Jun 30 '72
- Fly pay answers hunted. AF Times 33:8 Oct 25 '72
- Fly pay plan due by June. Bruce Callander. AF Times 33:1+ Oct 18 '72
- Flying curbs hit services. AF Times 32:1+ Mar 15 '72
- Nails for sale. (Results of innocent padding of flight time) LtCol Donald R. Jordan. illus tabs USA Avn Dig 18:32-35 Aug '72

FLYING TIME - Continued

- Non-flying rateds: New approach. Bruce Callander. AF Times 32:13 Jun 14 '72
- 'Pro' flying changes eyed under congressional order. AF Times 32:20 Jan 19 '72
- Proficiency flying cutback protested. AF Times 32:8 Jan 5 '72
- Services asking Congress to ease flight-time bans. AF Times 32:11 Feb 9 '72
- Some still face 4-hour minimum for flight money. AF Times 33:10 Oct 11 '72
- Tough rules shaping up on pro flying. Bruce Callander. AF Times 32:1+ Jun 7 '72
- Updating the flight excusal program. Col William R. Ponder. USA Avn Dig 18:8-9 Mar '72

FOG AND FOG DISPERSAL

- Cold fog dispersal, a technical presentation about the weatherman's friend in deed. Capt John C. Lease. illus Interceptor 14:7-9 Jan '72
- Doing away with fog. Capts John C. Lease and Gary S. Zeigler. illus tab Mil Engr 64:258-261 Jul-Aug '72
- Fog dissipation questionnaire results. illus tabs USA Avn Dig 18:24-25 Aug '72
- Heat plumes serve as fog deterrent. AF Times 33:24 Nov 8 '72
- New step taken in fight against woes of cold fog. AF Times 32:32 Apr 26 '72
- Propane dispensers: A little bit of gas can raise the ceiling. illus MAC Flyer 19:10-12 Oct '72
- Propane network tackles fogbanks (to replace Project Cold Cow!). AF Times 32:24 Feb 2 '72
- Proposal for a thermal system to improve runway visibility. M. Berchtold and H. Weiss. illus Interavia 27:654-655 Jun '72

FOODSee also

- Nutrition
- Rations
- Space Feeding
- Blowup. (Dysbarism) illus Approach 17:26-30 May '72
- Chemicals in foods. James J. Albrecht. illus Review 51:10-11+ Mar-Apr '72
- Eat on. (Ethnic food) Barney Halloran. illus Soldiers 27:16-22 Sep '72
- Effect of fasting on tolerance to moderate hypoxia. W.G. Hartzell and P.D. Newberry. illus tabs Aerosp Med 43:821-826 Aug '72

Preservation

- Chemicals in foods. James J. Albrecht. illus Review 51:10-11+ Mar-Apr '72
- Feeding the military man (mission of Natick Laboratories). Edward E. Anderson. illus Army Log 4:8-11+ Mar-Apr '72

- Foil-pack feeding succeeds. AF Times 32:22 Mar 1 '72

FOOD SERVICESee also

- In-Flight Meal Service



FOOD SERVICE - ContinuedAir Force

Air Force food service program. TIG Brief 24:16 Jun 16 '72

Attendance low at dining halls. Paul Collins. AF Times 32:1+ May 10 '72

BSA test slated for Shaw (AFB, SC) airmen. AF Times 32:4 May 3 '72

Careers in food improve. AF Times 32:2 May 10 '72

EM ration rate to increase. Randall Shoemaker. AF Times 33:1+ Dec 20 '72

Foil-pack feeding succeeds. AF Times 32:22 Mar 1 '72

Hennessy winners (Eglin AFB, Fla and Taipei AS, Taiwan) revealed. AF Times 32:4 Apr 19 '72

How EM (at Shaw AFB, SC) fare in BAS test to depend on appetite. AF Times 32:15 Jul 12 '72

Meals should look good enough to eat. AF Times 32:25 Mar 15 '72

Medical food service management. TIG Brief 24:17 Nov 24 '72

Nutritional standards. TIG Brief 24:3 Oct 13 '72

Shaw (AFB, SC) 'civilian cafeteria' now to open in October. AF Times 33:19 Aug 23 '72

Spices, calories vanish from in-flight meals. AF Times 33:2 Oct 11 '72

The U.S. Air Force search for culinary excellence (and the Hennessy Trophy Award program). MajGen Jonas L. Blank. illus Review 51:29-30+ May-Jun '72

Armed Forces

Congress okays civilianized KP. AF Times 33:4 Oct 18 '72

Odd coalition wins KP fight. AF Times 33:41 Oct 4 '72

Army

Army Food Service Seminar (Fort Lee, Va, Jan 17-21, 1972) Ralph E. Risley. illus Review 51:26+ Mar-Apr '72

Eat on. (Ethnic food) Barney Halloran. illus Soldiers 27:16-22 Sep '72

Feeding the military man (mission of Natick Laboratories). Edward E. Anderson. illus Army Log 4: 8-11+ Mar-Apr '72

Fries on the side. Will Green. illus Soldiers 27:23 Sep '72

Improving Army food service. MajGen John D. McLaughlin. chart illus Army Log 4:12-15+ May-Jun '72

FOREIGN AID see Economic Aid to Foreign Countries; Military Aid to Foreign Countries

FOREIGN AREA SPECIALIST PROGRAM see Area Specialist Programs

FOREIGN DUTY PAY

Foreign duty pay list scheduled for review. AF Times 32:4 Jun 21 '72

O'sea allowance due eight changes. AF Times 33:10 Sep 13 '72

6,000 due back o'sea allowance. AF Times 33:6 Aug 30 '72

FOREIGN OBJECT DAMAGE

Deadly FOD. illus Aerosp Safety 28:6-7 Aug '72

FOD squad at NAS Albany (Ga). illus Approach 17: 40-44 Apr '72

Foreign object damage to aircraft gas turbine engines. TIG Brief 24:19 Jul 14 '72

NDI (NonDestructive Inspection)-FOD--weapon in foreign object control. LtCol Arthur W. Day. illus Aerosp Safety 28:24-26 Aug '72

FOREIGN RELATIONS

For general foreign relations of a country, look under the name of the country, e.g., Asia, Southeastern--Foreign Relations. For foreign relations of one country with another, look under either country, e.g., United States--Foreign Relations--China (People's Republic); China (People's Republic)--Foreign Relations--United States.

See also

International Relations

FOREIGN SERVICE see Diplomatic and Consular Service

FORMATION FLYING

Formation midair collisions. illus tab Approach 17: 1-4 May '72

Group cooperation in flight. LtCol Y. Pryadko. illus Soviet Mil Rev No. 8:34-36 Aug '72

Keep your distance. (Formation flying) Capt Jerry L. Partridge. illus tabs Navigator 19, No. 2:16-19 '72

Study and Teaching

Simulator to teach formation flying. AF Times 32:61 Mar 8 '72

FORMOSA see China (Republic)

FORSYTHE, George I.

New selection, retention methods studied by Army. Interview. LtGen George I. Forsythe. Armed Forces J 109:16-17 Feb '72

FORWARD AIR CONTROLLERS

An Air Force jet jockey tells us: How close is close? Maj William H. Rees. illus tab Infantry 62:32-38 Jul-Aug '72

It's Pave Nail, and that's a FAC. Maj Keith J. Nance and Capt Roger B. Dunn. illus USAF TAWC Rev 3:10-13 Aug '72

History

It's Pave Nail, and that's a FAC. Maj Keith J. Nance and Capt Roger B. Dunn. illus USAF TAWC Rev 3:10-13 Aug '72

FOSTER, John S., Jr

Balance of security. John S. Foster, Jr. illus Ordnance 57:44-47 Jul-Aug '72

The Defense budget: Realities of deterrence and strategic priority. John S. Foster, Jr. Persp in Def Mgt, pp 1-5, Spring '72

Military R&D--the myths and the realities. (Address, AFA Convention, Washington, Sep 17-21, 1972) John S. Foster, Jr. por AF Mag 55:67-71 Nov '72

The Posture parade marches again. Claude Witze. por AF Mag 55:11-14 Apr '72

Putting the lid on weapons costs. John S. Foster, Jr. Persp in Def Mgt, pp 11-16, Autumn '72

Status report on laser weapons. Interview. John S. Foster, Jr. illus AF Mag 55:62-63 Jan '72

FOULOIS, Benjamin D.

Wings South: The first foreign employment of air power by the United States. (Mexican Punitive Expedition of 1916) Maj James L. Crouch. illus Aerosp Hist 19:27-31 Mar '72

FOUR-DAY WEEK see Hours of Labor

FRACTIONAL ORBITAL BOMBARDMENT SYSTEM

The question of Soviet orbital bombs. Edgar Ulsamer. AF Mag 55:74-75 Apr '72; Aerosp Intl 8:18-19 May-Jun '72

FRAUD

Fraud in the Royal Navy. John Marriott. Armed Forces J 110:22 Dec '72

Senators probe cemetery racket. AF Times 32:5 Mar 8 '72

USO irregularities in Vietnam probed. AF Times 32:4 May 3 '72

FREEDOM OF THE PRESS

Government--broadcasting--the public. Clay T. Whitehead. Signal 26:57-59 Jan-Feb '72

House probes classification leaks. Armed Forces J 109:11 Feb '72

The press and the Pentagon Papers. (Remarks preceding panel discussion on "Communications Media," Naval War College, 1971?) Neil Sheehan. illus Nav War Col Rev 24:8-12 Feb '72

FREEDOMS FOUNDATION

Nine AFROTC cadets win Freedoms (Foundation) Award. Officer 48:26 Jun '72

What is an American? NGAUS, ANG, states and individual Guardsmen win Freedoms Foundation awards for 1971. Natl Guardsman 26:29 Mar '72

FRENCH AND INDIAN WAR, 1755-1763

Steadfast and true--John Forbes, 1692-1758. Reginald Hargreaves. Army Qtr 102:181-190 Jan '72

FRIGATES see DestroyersFRINGE BENEFITS

Court denies WAF (Lt Sharron Fronteiro) benefits for husband. AF Times 32:4 Apr 19 '72

Fertilize your nest egg. SP4 Chuck Noland. illus Soldiers 27:48-49 Nov '72

Guardsmen alerted to state benefits. AF Times 32:42 Jul 26 '72

Most service extras remain despite members' gripes. Ed Gates. AF Times 32:13 Apr 19 '72

FROEHLKE, Robert F.

The Army: Where are we going? Robert F. Froehlke. Persp in Def Mgt, pp 39-45, Autumn '72

The Department of the Army: Why their emphasis is on people. Interview. Robert F. Froehlke. por Govt Exec 4:54-55 Apr '72

The Froehlke flair: It just might work. por Armed Forces J 110:32 Dec '72

Impacts of participative management. (Panel discussion, American Society of Military Comptrollers National Symposium, Bolling AFB, DC, May 17, 1972) Robert L. Froehlke and others. por Armed Forces Compt 17:26-34 Summer '72

FROEHLKE, Robert F. - Continued

New type generals for a new Army? Froehlke wants the best possible. Armed Forces J 109:17-18 Aug '72

Peace-keeping with pride and integrity. Robert F. Froehlke. por Army 22:16-19 Oct '72

Sec Froehlke announces 1,110 high school senior (ROTC) scholarships. por Officer 48:26 Jun '72

FROGMEN see Divers and Diving

FUEL SYSTEMS

Storage, distribution, and dispensing of aircraft and automotive fuels. TIG Brief 24:13-14 Apr 21 '72

FUEL TANKS

See also

Airplanes--Fuel Tanks

Airplanes, Military--Fuel Tanks

Storage, distribution, and dispensing of aircraft and automotive fuels. TIG Brief 24:13-14 Apr 21 '72

FUELS

See also

Airplanes, Military--Fuels

Propellants

Ships--Fuels

Fuels management and the base level AFO. Capt Charles L. Martin, Jr. illus AF Compt 6:34-35 Oct '72

The liquid natural gas tanker--seagoing solution to the U.S. fuel crisis. Gerald P. Yoest. illus Def Trans J 28:46-48 Jul-Aug '72

Regular or ethyl? Arnold R. Lambert. illus USA Avn Dig 18:36-39 Nov '72

Supplying and distributing gas to Air Force installations. TIG Brief 24:12 Apr 7 '72

FULLER, Thomas

Profile--(BrigGen) Thomas Fuller (Ret). por biog Def Trans J 28:16 May-Jun '72

FULTON, William B.

TRICAP--the challenge of the seventies. MajGen William B. Fulton. por Armor 81:21-23 May-Jun '72

FUND RAISING

9 top ANG officers guilty of fund raising. AF Times 32:2 Feb 23 '72

FUNSCH, Harold F.

AFSC surgeon retires. AF Times 32:31 Feb 23 '72

BrigGen Funsch (Command Surgeon, AFSC) retires. por Aerosp Med 43:354 Mar '72

FUSES, ORDNANCE

New test for EED's (ElectroExplosive Devices). Arthur J. Murphy, Jr and Vincent J. Menichelli. illus tab Ordnance 57:236-239 Nov-Dec '72

Some notes on the second generation: The FMU-81 fuze. Maj Ward R. Martin. illus USAF TAWC Rev 3:4-8 Nov '72

FUSON, Jack C.

New commanders named for Military Airlift Command, Army Transportation Center. Translog 3:17 Oct '72



FUSON, Jack C. - Continued

Rebuilding reparable Army equipment in the Pacific Theater. MajGen Jack C. Fuson. illus tabs Army Log 4:4-7+ Jan-Feb '72

FUTURE

See also

War, Future

Aerospace technology crystal-gazing. (Panel discussion before National Science Foundation, May 1972) illus Interavia 27:807-808 Aug '72

Air armament of the future. (Address, 54th Annual Defense Preparedness Meeting, American Ordnance Assoc, Eglin AFB, Fla, Oct 4, 1972) Gen George S. Brown. AF Plcy Ltr for Comdrs: Sup No. 11:25-29 Nov '72

Air superiority into the 1980s. Gen John C. Meyer. illus Aerosp Intl 8:32-34 May-Jun '72

Another view of the need for change. Col Richard M. Jennings. illus Mil Rev 52:82-94 Sep '72

Army tactical communications capabilities. MajGen George E. Pickett. illus Signal 26:29-32 Jan-Feb '72

By the end of the century... (Remarks, Wright Memorial Dinner, Aero Club of Washington, Dec 17, 1957) LtGen James H. Doolittle, Ret. (Reprinted from Air Force, March 1958) illus AF Mag 55: 84-86 Sep '72

Challenge of the seventies. Ralph C. Lenz, Jr. illus AU Rev 23:49-54 Mar-Apr '72

Civil-military relations in the 1980s. Col Richard F. Rosser. Mil Rev 52:18-31 Mar '72

Communications-electronics: The incomparable team. (Address, AFCEA, Washington, June 6, 1972) Irving K. Kessler. illus Signal 26:14-17 Jul-Aug '72

Computerized automation and the combat leader. Maj Joseph F. Paone. illus Infantry 62:52-54 May-Jun '72

Despite incredible growth: U.S. electronics industry faces major threat from abroad. Leon Shloss. illus tabs Govt Exec 4:65-66+ Oct '72

Digital systems in the strategic context and DCA planning activities. (Address, AFCEA, Washington, June 8, 1972) BrigGen Herbert A. Schulke, Jr. Signal 26:54-56 Jul-Aug '72

Future communications requirements of the fleet satellite communications systems. (Address, AFCEA, Washington, June 7, 1972) RADM Samuel L. Gravely, Jr. illus Signal 27:14-16 Sep '72

Future concepts in military submarine systems. Brian Thomas. illus RUSI J for Def Studies 117: 55-57 Jun '72

The future course of world politics, 1972-1987, LCDRs Joseph C. Strasser and Richard H. Wytenbach. illus Nav War Col Rev 24:16-36 May '72

"A future for the destroyer?" (Comment on article by W. J. Ruhe, US Nav Inst Proc, Aug 1971) CAPT George P. Sotos. US Nav Inst Proc 98:86-87 Jan '72

(The future of Cape Kennedy) (Interview with Miles Ross) Walter Froehlich. Spaceflight 14:110 Mar '72

The future of the Air Force. Gen John D. Ryan. illus Armed Forces J 110:46+ Sep '72

FUTURE - Continued

Future tactical communications requirements for the USAF. (Address, AFCEA, Washington, June 7, 1972) BrigGen Robert L. Edge. illus Signal 27: 13-14 Sep '72

A glance at the future. Gen Walter Walker. Mil Rev 52:21-30 Sep '72

The impact of societal change on the U.S. Army. LtCol William L. Hauser. illus Parameters 1:9-17 Winter '72

Impact of technology trends on future communication and information handling systems. (Address, AFCEA, Washington, June 6, 1972) Carmen Palermo. illus Signal 26:39-40 Jul-Aug '72

Improvements in tactical satellite communications. 1stLt John C. Dean. Signal 26:15-17 May '72

A look in the future of computerized research. Carl S. Mallow, Jr. illus AF JAG L Rev 14:38-52 Winter '72

Looking into the future (of Army Aviation). BrigGen William J. Maddox, Jr. illus USA Avn Dig 18:2-3 Mar '72

Mankind in the world of tomorrow--tomorrow's society. C.F. Freiherr von Weizsaecker. illus NATO's Fifteen Nations 16:93-95+ Dec '71-Jan '72

The Navy gap in the seventies. (Enlisted Prize Essays 1972) STCM J. C. Bussert. illus US Nav Inst Proc 98:18-26 Jun '72

The next decade: Communications-electronics in the DOD. BrigGen George A. Pappas, Jr. Signal 26: 16-18+ Jan-Feb '72

Operations in the Arctic environment: Yesterday, today and tomorrow. Col Bernt Balchen, Ret. illus map AF Civil Engr 13:3-6 Nov '72

The pre-war era. Col John E. Greenwood. illus MarCor Gaz 56:33-37 Sep '72

The role of satellite communications in the DOD. BrigGen George A. Pappas, Jr and LtCol T. G. Adcock. illus Signal 27:25-27 Sep '72

The role of the Air Force in the 1980's. (Address, American Ordnance Assoc, Eglin AFB, Fla, Oct 4, 1972) MajGen Leslie W. Bray. AF Plcy Ltr for Comdrs: Sup No. 11:17-24 Nov '72

Science and the future of defence. Hermann Bondi. illus RUSI J for Def Studies 117:10-16 Jun '72

Some speculations on the Navy at the end of the 1970's. Frank Uhlig, Jr. illus Nav War Col Rev 24:9-15 May '72

Tomorrow and beyond. (Jeane Dixon predicts the Army's future) LtCol Bob Chick. illus Soldiers 27:39-41 Dec '72

Transportation and the environment--can we have both? John A. Volpe. illus Mil Engr 64:312-314 Sep-Oct '72

Trends in communications and data handling systems in the DCS. (Address, AFCEA, Washington, June 6, 1972) BrigGen Lewis S. Norman, Jr. Signal 26:37-39 Jul-Aug '72

U.S. development assistance in the insurgency environment: Gulliver's coming out. (Lecture, Naval War College, 1971?) Allan E. Goodman. illus Nav War Col Rev 24:13-23 Feb '72

The white room. (Super-computer administration) Capt Brian T. Ternamian. illus Airman 16:14-17 Mar '72



GCA see Ground-Controlled Approach

GCI see Ground-Controlled Interception

GRADS see Ground Radar Aerial Delivery System

#### GAMES, THEORY OF

See also

War Games

Action styles and management game performance: An exploratory consideration. (Research paper, Naval War College) John M. Roberts and others. tabs Nav War Col Rev 24:65-81 Jun '72

#### GAMMA RAYS

Comparative study of two direct methods of bone mineral measurement. Paul C. Rambaut and others. illus tabs Aerosp Med 43:646-650 Jun '72

#### GARD, Robert G., Jr

Battle plan for drugs: A challenge to leadership. Interview. BrigGen Robert G. Gard, Jr. por Soldiers 27:5-7 Feb '72

The 'other war' on drugs, alcohol. BrigGen Robert G. Gard, Jr. por Army 22:107-108 Oct '72

#### GAS TURBINES

Tankers! There's a turbine in your future. Col George A. Tuttle, Ret. illus Armor 81:43-46 May-Jun '72

#### GAS TURBINES (AIRCRAFT)

Building aerospace turbines in Phoenix. J. Philip Geddes. tab illus (Also cutaway) Interavia 27:1218-1220 Nov '72

Foreign object damage to aircraft gas turbine engines. TIG Brief 24:19 Jul 14 '72

Soviet civil gas turbine engines. tabs illus (Also cutaway) Interavia 27:158-161 Feb '72

Turbine trainers. Capt John W. Lahey. illus USA Avn Dig 18:5 Sep '72

#### GASES

See also

Carbon Dioxide

Oxygen

Narcotic effects in man of breathing 80-20 argon-oxygen and air under hyperbaric conditions. Barry Fowler and Kenneth N. Ackles. illus tabs Aerosp Med 43:1219-1224 Nov '72

Production of gaseous nitrogen during human steady state exercise. John H. Cissik and others. illus tabs Aerosp Med 43:1245-1250 Nov '72

#### GASES, ASPHYXIATING AND POISONOUS

See also

Carbon Monoxide

Fumes in the cockpit. LtCol Russell B. Rayman. tab Aerosp Safety 28:21 May '72

#### GASES IN WARFARE see Chemical-Biological Warfare

#### GAYLER, Noel A. M.

Home to Hawaii: Gayler succeeds McCain as CinCPAC. Heather David. por Sea Power 15:14-17 Sep '72

'The long blue line.' (ADM John S. McCain, Jr retires as Commander-in-Chief, Pacific and VADM Noel Gayler will replace him) Editorial. Sea Power 15:7 Apr '72

#### GENERAL ACCOUNTING OFFICE

GAO cites higher costs (for 77 weapons systems being developed or produced). AF Times 32:10 Aug 2 '72

GAO looks at DOD weapon system acquisition process--improvement noted but problem areas remain. Elmer B. Staats. illus Def Mgt J 8:71-75 Oct '72

GAO seeks medic slash. Randy Shoemaker. AF Times 32:14 Jan 5 '72

Reorganization along functional lines makes Congress' GAO more responsive. Interview. Elmer B. Staats. illus chart Govt Exec 4:54-57 Jun '72

Watchdog for Congress (General Accounting Office). Elmer B. Staats. Persp in Def Mgt, pp 29-37, Winter '71-'72

#### GENERAL OFFICERS

##### Statistics

U.S. generals are badly outnumbered. tab Armed Forces J 109:60 May '72

##### Air Force--U.S.

AFSC surgeon (BrigGen Harold F. Funsch) retires. AF Times 32:31 Feb 23 '72

Abrams' OK hinges on Lavelle probe (and other star actions announced). AF Times 32:4 Jul 12 '72

BrigGen Funsch (Command Surgeon, AFSC) retires. illus Aerosp Med 43:354 Mar '72

Brigadier general hikes include woman, astronaut. AF Times 32:5 Feb 9 '72

(Col Lucius) Theus, on star list, gets personnel slot (as Special Assistant to the Director of Personnel Plans for Social Actions, and other general officer changes announced). AF Times 32:11 May 24 '72

DOD security job goes to (BrigGen Joseph J.) Cappucci (and other general officer job shifts announced). AF Times 32:2 Mar 15 '72

Disability rebuttal cites stress of general's life. AF Times 33:2 Aug 23 '72

15 get star hikes--Senate confirmation required (and general officer transfers announced). illus AF Times 32:5 Mar 29 '72

Five brigadier generals get tapped for assignments. AF Times 32:3 Apr 19 '72

419 generals listed by seniority. AF Times 33:63 Oct 18 '72

General (David A.) Burchinal to retire in March (and other general officer retirements announced). illus AF Times 33:4 Dec 20 '72

(Gen Horace M.) Wade named to no. 2 job (AF Vice Chief of Staff). illus AF Times 32:4 Mar 29 '72

(Gen Jack J.) Catton to head AFLC, (LtGen George B.) Simler going to MAC (and other general officer action announced). AF Times 33:2 Aug 16 '72

(Gen John C.) Meyer takes SAC reins; (Gen Bruce K.) Holloway to advisor job (and other stars reassigned). AF Times 32:8 May 17 '72

(Gen John C.) Meyer to assume command of SAC (and other general officer news announced). AF Times 32:3 Mar 22 '72

## GENERAL OFFICERS - Continued

Air Force--U.S. - Cont'd

(Gen John D.) Lavelle loses rank--retires as three star (and other stars are reassigned). AF Times 32:3 May 17 '72

Generals make moves (and announce retirements). AF Times 33:17 Aug 9 '72

House unit probes (Gen John D.) Lavelle retirement (and other general officer activity is announced). AF Times 32:10 Jun 7 '72

(LtGen) Carlton selected MAC commander (and other general officer activity announced). AF Times 33:55 Oct 4 '72

(LtGen) (Fred M.) Dean plans June retirement (and promotions and reassignments announced). AF Times 32:4 May 3 '72

(LtGens Alonzo A.) Towner (and Robert G.) Ruegg to retire; other three-stars shifted. AF Times 32:3 May 10 '72

(MajGen Donavon F.) Smith, (LtGen James) Sherrill take command in Alaska (and other general officer actions announced). AF Times 32:2 May 31 '72

MajGen (George V. Williams) at Hancock (Field, NY) retires. AF Times 32:33 Mar 8 '72

MajGen M.R. Reilly becomes 10th Director of Air Force Civil Engineering. illus AF Civil Engr 13:9 Feb '72

(MajGen Robert N. Ginsburgh named director of Office of Information, Office of the Secretary of the AF(SAFOI); BrigGen Slade Nash appointed deputy) illus AF Mag 55:27 May '72

More selected for star promotions. AF Times 32:1+ Feb 23 '72

New two-stars analyzed (and other general officer activity described). AF Times 32:21 Mar 1 '72

Nine generals get new assignments. AF Times 32:2 Jun 14 '72

'71 major generals add 2d star (and others move up to one star). AF Times 32:3 Jan 26 '72

Nixon names a 2-star for no. 2 Army job (and other AF general officer activity announced). AF Times 33:5 Sep 20 '72

Nurse, AF's second lady general (Ethel A. Hoefly), to pin on star (and other general officer activity announced). AF Times 32:5 Jul 5 '72

Pursley, 44, McDivitt, 43 to retire this summer (and other general officer actions announced). illus AF Times 32:4 Jun 21 '72

Pursley receives 3d star, 5AF job (and other star assignments and star retirements announced). AF Times 33:4 Oct 25 '72

Reflections--MajGen Guy H. Goddard terminates distinguished active military career. illus AF Civil Engr 13:6-8 Feb '72

Retirement set for 4 generals. AF Times 32:5 Feb 9 '72

SAC commander Holloway to retire after 35 years (and other generals reassigned). illus AF Times 32:8 Jan 19 '72

7 officers win stars (and other general officer actions announced). AF Times 33:8 Nov 29 '72

7 two-stars top shifting generals (and other stars retire or are reassigned). AF Times 32:8 Jun 28 '72

## GENERAL OFFICERS - Continued

Air Force--U.S. - Cont'd

60-75 star slots seen--board to meet in December. AF Times 33:6 Sep 13 '72

Star shakeup looming--many top leaders to retire. AF Times 33:8 Dec 27 '72

33 generals earned eagles (as Scouts; general officer transfer activity announced). AF Times 32:5 Apr 26 '72

23 to pin on stars--biggest month yet (and other general officer activity announced). AF Times 32:10 Aug '72

USAF four-star album. (USAF's current 14 four-star generals as they were 25 years ago) Pictorial. Airman 16:10-14 Sep '72

Who will be next AF chief? Ed Gates. AF Times 33:13 Sep 13 '72

Youth movement continues in promotions to one-star. tab AF Times 32:6 Feb 16 '72

Armed Forces--U.S.

Defense (Intelligence) Agency commander (LtGen Donald V. Bennett) gets a fourth star (and other star shifts announced). Armed Forces J 110:17 Sep '72

How to make flag rank--don't wander far from home. Thomas C. Steinhauser. Armed Forces J 109:20+ Jul '72

New commanders named for Military Airlift Command, Army Transportation Center. Translog 3:17 Oct '72

Star status: Army, Navy, Air Force. Regular feature in issues of Armed Forces Journal

'State generals' question flares--rank cannot be worn. AF Times 32:8 Jun 28 '72

Statistics

Four-star anomaly. Armed Forces J 109:16 Feb '72

Army--U.S.

Army names 62 brigadier general(s). tabs Armed Forces J 109:14 Jul '72

General officer changes. Regular feature in News Call section of some issues of Army

New type generals for a new Army? Froehle wants the best possible. Armed Forces J 109:17-18 Aug '72

Nixon names a 2-star for no. 2 Army job (and other AF general officer activity announced). AF Times 33:5 Sep 20 '72

Sixty-four new Army stars. Armed Forces J 110:16 Sep '72

History

The five stars. Armed Forces J 109:32 Jun '72

Two generals. (Gens Winfield Scott and Robert Patterson at the Battle of Bull Run) LtCol Leonard D. Johnson. illus MarCor Gaz 56:43-47 Dec '72

Marine Corps--U.S.

The Commandants (of the Marine Corps). Portraits only. Armed Forces J 110:36-37 Nov '72

GENERAL OFFICERS - ContinuedMarine Corps--U.S. - Cont'd

Flag and general officers of the naval services; officers of flag rank of the U.S. Navy, U.S. Coast Guard, and NOAA, and general officers of the U.S. Marine Corps on active duty as of 1 January 1972. Pors only. US Nav Inst Proc 98:281-317 May '72

Marines name new major generals, brigadier generals. Armed Forces J 110:17 Sep '72

Star selections made (and reassignments announced). MarCor Gaz 56:4 Sep '72

National Guard--Air Force--U.S.

Abrams' OK hinges on Lavelle probe (and other star actions announced). AF Times 32:4 Jul 12 '72

Reserve Forces--Air Force--U.S.

AF, Senator (Margaret Chase Smith) hassle over (Reserve) generals. George Foster. AF Times 32:13 Aug 2 '72

15 get star hikes--Senate confirmation required (and general officer transfers announced). illus AF Times 32:5 Mar 29 '72

Reserve star eligibility tightened. AF Times 32:17 Jan 5 '72

GENERAL PURPOSE FORCES

Toward more credible force planning. LtCol James B. Agnew and others. illus tabs Mil Rev 52:40-51 Mar '72

NATO

Aircraft weapons and equipment for modern Air Forces. ACM Christopher Foxley-Norris. illus NATO's Fifteen Nations 17:26-28+ Aug-Sep '72

Theatre Air Forces and tactical nuclear weapons. Maj E. van Veen. illus NATO's Fifteen Nations 17:34-39+ Aug-Sep '72

Russia

The Soviet tactical Air Force and tactical nuclear weapons. Maj E. van Veen. illus NATO's Fifteen Nations 17:42-44+ Aug-Sep '72

United States

Air Force request for authorizations (FY 1973). (Statement before House Armed Services Committee, March 2, 1972) Gen John D. Ryan. AF Plcy Ltr for Comdrs: Sup No. 5:2-13 May '72

The Airborne Division (82d) in the '70's. LtCol Robert M. Elton. illus Army 22:16-20 Sep '72

Foreign policy and military force planning. Arnold M. Kuzmack. illus Mil Rev 52:13-22 Aug '72

General Purpose Forces down slightly (in FY 73 budget). Brooke Nihart. Armed Forces J 109:44+ Mar '72

United States strategic and tactical Air Forces--today and tomorrow. Gen John D. Ryan. illus NATO's Fifteen Nations 17:16-19+ Aug-Sep '72

Statistics

Personnel and active military forces chart. AF Plcy Ltr for Comdrs: Sup No. 3:31 Mar '72

Summary of active military personnel and forces. Table only. Armed Forces J 109:32 Mar '72; Mil Rev 52:98 Apr '72

GENERAL SERVICES ADMINISTRATIONSee also

Federal Supply Service

GSA automatic strapping. Charles Fogarty. illus Review 52:51+ Jul-Aug '72

General Services Administration transport procurement. Malcolm J. Newbourne. chart illus Def Trans J 28:46-51 Jan-Feb '72

A (Harold S.) Trimmer look at GSA. Interview. illus Govt Exec 4:25-29 Jan '72

New Federal building criteria. Arthur F. Sampson. Mil Engr 64:85-86 Mar-Apr '72

Tidy, tight, thrifty. (GSA's "shrink wrap" system) Jackson B. Weaver. illus Review 51:44-45 Jan-Feb '72

GENERATORS, ELECTRIC

Integrated drive generators for aircraft. R. J. Kennett. illus (Aslo cutaway) Interavia 27:402-403 Apr '72

More consistent generator power for base facilities. (Deterioration of diesel engine cylinder liners) Ernest G. Huber. illus AF Civil Engr 13:25-26 Nov '72

GENEVA CONVENTIONS

PW's as war criminals. LtCol Joseph B. Kelly, Ret. illus Mil Rev 52:91-96 Jan '72

GEODESY

Geociever puts Earth in its proper place. AF Times 32:35 Jan 19 '72

GEOLOGY

Archaeological techniques applied to lunar program. Space World I-7-103:48 Jul '72

Distribution of Apollo 15 lunar samples. Space World I-3-99:33 Mar '72

Exploration at Hadley-Rille. R. J. Fryer. illus map Spaceflight 14:86-89+ Mar '72

History of the moon. S. W. Richardson. illus Spaceflight 14:82-85 Mar '72

Luna 20 drill shows its contents. Space World I-8-104:14 Aug '72

Outer space and geology. Alexander Sidorenko. (Trans and condensed from a Russian publication) Spaceflight I-9-105:37-38 Sep '72

Purdue University scientists report on moon rocks. Richard P. Smith. illus Space World I-3-99:9-12 Mar '72

Riddles of lunar mountains. Vladimir Trifonov. Space World I-8-104:39 Aug '72

Soviet analysis of lunar rock (Luna-20 probe). Alexander Vinogradov. tab Space World I-10-106:39-40 Oct '72

GERM WARFARE see Chemical-Biological WarfareGERMANY

Faith in what cause? A survey of political and social doctrines in the Armies of the two German Republics. Dennis Chaplin. Army Qtr 102:34-46 Oct '71



GERMANY (FEDERAL REPUBLIC)Foreign RelationsGermany (Democratic Republic)

The Brandt government in mid-course. Stuart Drummond. Army Qtr 102:136-141 Jan '72

Politics and Government

The Brandt government in mid-course. Stuart Drummond. Army Qtr 102:136-141 Jan '72

GILLEM, Alvan C., II

AU--polishing the professionals. por AF Mag 55:106-108 May '72

Air University: Campus for professionals. Jet Pearce. por Airman 16:19-21 May '72

Five join Air University Board (of Vistors). AF Times 32:32 Jan 12 '72

GINN, William H., Jr

Goes up (to become Commandant of SOS). por AF Times 32:21 Jan 19 '72

GINSBURGH, Gail W.

My stockbroker (Gail Winslow Ginsburgh) is: A mother, a general's wife, a bridge expert. Pattee Schlatter. por AF Times, Family sup: 20-21 Apr 5 '72

GINSBURGH, Robert N.

Arms and diplomacy. (Address, Royal Military College, Canberra, Australia, March 14, 1972) MajGen Robert N. Ginsburgh. AF Plcy Ltr for Comdrs: Sup No. 7:6-10 Jul '72

The evolution of air warfare. MajGen Robert N. Ginsburgh and Maj Edd D. Wheeler. illus AU Rev 23:2-9 Mar-Apr '72

A fresh look at history in the Air Force. (Address, History Club Dining-In, USAF Academy, Colorado Springs, Nov 4, 1971) MajGen Robert N. Ginsburgh. AF Plcy Ltr for Comdrs: Sup No. 2:18-25 Feb '72; Adaptation. Aerosp Hist 19:114-118 Sep '72

(MajGen Robert N. Ginsburgh named director of Office of Information, Office of the Secretary of the AF(SAFOI); BrigGen Slade Nash appointed deputy) por AF Mag 55:27 May '72

U.S. military strategy in the 1970s. (Address, Strategic and Defense Studies Centre, Australian National University, Canberra, March 13, 1972) MajGen Robert N. Ginsburgh. AF Plcy Ltr for Comdrs: Sup No. 6:7-16 Jun '72

GIRAUDO, John C.

(Office of) Legislative Liaison. MajGen John C. Giraudo. por AF JAG L Rev 14:80-81 Spring '72

GLASSER, Otto J.

Air Force looks forward to return to prototyping. LtGen Otto J. Glasser. illus Def Mgt J 8:14-18+ Jul '72

Prototyping--middle management featherbedding. Interview. LtGen Otto Glasser. por Govt Exec 4:23 Oct '72

(U.S. aerospace industry--overbuilt, overmanned, and overmanaged) (From address, Aviation/Space Writers Assoc, New York, May 25, 1972) LtGen Otto J. Glasser. AF Mag 55:25 Jul '72

GLEASON, Robert L.

Quo vadis?--The Nixon doctrine and air power. Col Robert L. Gleason. illus AU Rev 23:45-56 Jul-Aug '72

GLIDERS

Up, up, and away... backwards. (Ship-towed glider experiments to investigate air wake behind aircraft carriers) LtComdr J. S. Sproule, Ret. illus US Nav Inst Proc 98:56-62 Jul '72

History

Wings on the wind. (First licensed glider in the U.S.) John Barclay. illus Am Avn Hist Soc J 17:55-58 Spring '72

GLIDING AND SOARING

"Look, Ma! No engine!" Soaring program at the Academy. James R. Patterson. illus AF Mag 55: 90-92 Nov '72

On laughter-silvered wings--soaring with the birds. illus Soldiers 27:16-19 Feb '72

GODDARD, Guy H.

Reflections--MajGen Guy H. Goddard terminates distinguished active military career. por AF Civil Engr 13:6-8 Feb '72

GOLDSWORTHY, Harry E.

Military preparedness--a lesson from history. LtGen Harry E. Goldsworthy. por Review 51:11-12 Jan-Feb '72

GOLDWATER, Barry M.

Barry Goldwater and the "Chidi Nadi." Dan B. McCarthy. por Natl Guardsman 26:8-9 Mar '72

The view from Capitol Hill. Interview. Barry Goldwater. por Natl Guardsman 26:2-7 Mar '72

GOODPASTER, Andrew J., Jr

More than 500 attend 25th Congress (of the Interallied Confederation of Reserve Officers) in Washington. illus Officer 48:28-29 Sep '72

GOULD, Gordon T., Jr

Visibility of performance: A requisite for communication system management. LtGen Gordon T. Gould, Jr. illus Signal 26:6-10 Jan-Feb '72

GOVERNMENT EMPLOYEES see Civilian EmployeesGOVERNMENT OWNERSHIPSee also

Property, Government

GRADES see RankGRADING see Tests and MeasurementsGRAHAM, Erwin M., Jr

Army Munitions Command attacks in-house pollution. MajGen Erwin M. Graham, Jr. illus Def Mgt J 8:60-63 Apr '72

GRAHAM, Gordon M.

Okinawa reversion: A study in change. LtGen Gordon M. Graham. illus AU Rev 24:34-41 Nov-Dec '72

GRANT, Charles H.

Charles Hampson Grant. por Am Avn Hist Soc J pt 1, Early bird--model builder--inventor--journalist--youth builder. Willis L. Nye. 16:204-211 Fall '71; pt 2, The early bird everyone knows. James J. Sloan. 17:122-125 Summer '72

GRANT, Ulysses S.

Triumph in the West. Maj Gerald P. Stadler. illus  
Soldiers 27:50-52 Sep '72.

GRAVELY, Samuel L., Jr

The "common thread" requires uncommon talent.  
RADM Samuel L. Gravely, Jr. por Signal  
26:40-42 Jan-Feb '72

GRAVITY

Aircraft weight and balance. TIG Brief 24:12  
Oct 13 '72

Cryogenic engineering for gravity wave detection.  
P. Bruce Pipes and others. illus Mil Engr 64:  
406-408 Nov-Dec '72

Future communications requirements of the fleet  
satellite communications systems. (Address,  
AFCEA, Washington, June 7, 1972) RADM Samuel  
L. Gravely, Jr. por Signal 27:14-16 Sep '72

Jumping on the moon: Power output at different  
gravity values. Giovanni A. Cavagna and others.  
illus tab Aerosp Med 43:408-414 Apr '72

GREAT BRITAINDescription and Travel

Welcome to Britain! An ally tells all about his coun-  
try. Col Norman L. Dodd, Ret. illus AF Times  
33:25+ Dec 6 '72

Foreign Policy

Britain's role in South East Asia: The five-power  
agreement. Lord Robert A. L. Balniel. illus RUSI J  
for Def Studies 117:3-12 Mar '72

Foreign RelationsAsia

Singapore 1942: Some warnings. K. Booth. Army  
Qtr 102:191-200 Jan '72

Asia, Southeastern

Britain's role in South East Asia: The five-power  
agreement. Lord Robert A. L. Balniel. illus RUSI J  
for Def Studies 117:3-12 Mar '72

China--History

Air transport for China: The early years. William  
M. Leary, Jr. illus Aerosp Hist 19:32-37 Mar '72

Ireland

Northern Ireland: A question of identity. Stephen  
Garvin. illus RUSI J for Def Studies 117:40-42  
Mar '72

Malaysia

After 152 years, Britain leaves Malaysia. John  
Marriott. Armed Forces J 109:24 Jan '72

Middle East--History

The Soviet Union in the Middle East: A real or  
imagined threat? Capt Allen N. Grenadier. Fld  
Artilleryman No. 49:29-34 Feb '72

Singapore

After 152 years, Britain leaves Malaysia. John  
Marriott. Armed Forces J 109:24 Jan '72

History

Marlborough--the international commander. Maj  
R. E. Scouller. Army Qtr 102:438-450 Jul '72

GREAT BRITAIN - ContinuedHistory - Cont'd

The Russo-Japanese War and British military  
thought. Philip Towle. illus Royal United Svcs  
Inst for Def Studies J 116:64-68 Dec '71

Twenty-five years of military history, 1945-1970.  
John Terraine. Royal United Svcs Inst for Def  
Studies J 116:13-23 Dec '71

Politics and Government

Letter from London: Puzzled Britain peers anxiously  
into the future--domestic problems dwarf foreign  
activities. NATO's Fifteen Nations 17:12-14  
Aug-Sep '72

The New Left in Britain. Maj W. A. Evans. illus Hawk  
No. 33:45-50 Feb '72

Who sank the carriers? What went on in Whitehall--  
lessons we must never forget. illus Air Pict  
34:48-50 Feb '72

GREECE

Living in Greece. Lee Ewing. illus tab AF Times,  
Family sup:6-8+ Aug 16 '72

History

Urban guerrillas in Athens. MajGen C. E. A. Firth.  
illus RUSI J for Def Studies 117:52-56 Mar '72

GREENHALGH, William H., Jr

AOK airpower over Khe Sanh. LtCol William H.  
Greenhalgh, Jr, Ret. illus map Aerosp Hist  
19:2-9 Mar '72

GRIEVANCE PROCEDURES

The base inspector. TIG Brief 24:1-2 Feb 25 '72

The complaint system. TIG Brief 24:2 Nov 24 '72

Procedures for processing complaints. TIG Brief  
24:3-4 Dec 22 '72

GRIFFITH, Perry B.

Call me mister, I guess. MajGen Perry B. Griffith.  
Ret. illus Army 22:30-34 Jan '72

GRISWOLD, Francis H.

From the zenith to the deck. (8th Fighter Command  
in WW II) BrigGen Francis H. Griswold. TAC  
Attack 12:16-17 Sep '72

GROSS NATIONAL PRODUCT

Comparative defence expenditure, gross national  
product and manpower figures, 1951-1971. Lon-  
don's International Institute for Strategic Studies.  
Tables only. AF Mag 55:104-105 Dec '72

Defence expenditure and national economies. London's  
International Institute for Strategic Studies. Table  
only. AF Mag 55:103 Dec '72

The European (Economic) Community. Jacques G.  
Maisonrouge. illus maps tabs Forum No. 15:34-59  
Spring '72

GROUND-CONTROLLED APPROACH

Cruise clearance. illus MAC Flyer 19:14-15 Mar '72

Stage II--what is it? Col Glenn V. Thomas. illus  
TAC Attack 12:8-9 May '72

GROUND-CONTROLLED INTERCEPTION

GCI weapons controllers. (Interviews with Capts Laszlo J. Bakony, James S. White and Gale F. Green) illus Interceptor 14:5-9 Feb '72

GROUND CREWS

Is the crew chief dead? illus TAC Attack 12:13-14 Jun '72

GROUND EFFECT MACHINES see Air Cushion VehiclesGROUND FORCES

American ground power after Vietnam. LtCol Zeb B. Bradford, Jr. illus Mil Rev 52:4-13 Apr '72

Arms and equipment of land forces today and tomorrow. Brig P.H.C. Hayward. illus NATO's Fifteen Nations 17:28-42 Jun-Jul '72

Communist China's land forces. Niu Sien-Chong. NATO's Fifteen Nations 17:65-68+ Jun-Jul '72

The role of modern land forces. Gen William Westmoreland. illus NATO's Fifteen Nations 17:18-26 Jun-Jul '72

GROUND RADAR AERIAL DELIVERY SYSTEM

Airdrop at An Loc. John L. Frisbee. illus tab AF Mag 5:40-42 Nov '72

GROUND SAFETYSee also

Seat Belts

Driver improvement--the fourth estate of road traffic safety. TIG Brief 24:19 Mar 24 '72

Explosives safety. Regular feature in some issues of Aerospace Safety

Hydroplaning, et al. David Girling. illus TAC Attack 12:20-21 May '72

On any Sunday? (Motor cycle safety) illus Interceptor 14:11-13 Mar '72

Ready to taxi. illus Approach 17:32-35 Jun '72

Safety and the two-wheel vehicle. TIG Brief 24:21 Sep 1 '72

Smart cycling. tab TAC Attack 12:28-29 Aug '72

GROUND SUPPORT see Close Air SupportGROUND SUPPORT EQUIPMENTSee also

Airplanes, Military--Ground-Support Equipment  
Helicopters, Military--Ground-Support Equipment  
Missiles--Ground-Support Equipment  
Space Vehicles--Ground-Support Equipment

GSE. Roger L. Taylor. illus USA Avn Dig 18:28-29 Nov '72

GRUMMAN CORP

The F-14 deal: An inside story. G. A. Spangenberg. Armed Forces J 109:10 Jun '72

GUDGEL, Edward F., Jr

Intelligence--a new approach. BrigGen Edward F. Gudgel. illus Signal 26:69-70+ Jun '72

GUERRILLA WARFARE

Arms for guerrilla war. Jac Weller. illus Ordnance 57:208-213 Nov-Dec '72

A change in tactics? The urban insurgent. 1stLt Robert J. Black. illus AU Rev 23:50-58 Jan-Feb '72

GUERRILLA WARFARE - Continued

Countermeasures against the urban guerrilla. Brig C.N. Barclay, Ret. illus Mil Rev 52:83-90 Jan '72

How to save a bridge. 2dLt F.J. Hawkins, Jr. MarCor Gaz 56:58 Aug '72

Insurgency in the urban area. Capt Fred R. Crowley. MarCor Gaz 56:55-56 Feb '72

The opposite number. MajGen Edward G. Lansdale, Ret. illus AU Rev 23:22-32 Jul-Aug '72

Some aspects of guerrilla warfare--socio-economic, polwar and psywar. Michael Calvert. illus chart RUSI J for Def Studies 117:20-24 Sep '72

U.S. tactics in Vietnam. LtCol Zeb B. Bradford, Jr. illus Mil Rev 52:63-76 Feb '72

Urban guerrilla warfare. Col Harries-Clichy Peterson. illus Mil Rev 52:82-89 Mar '72

Violence as a political weapon. Maurice Latey. illus NATO's Fifteen Nations 16:65-71 Dec '71-Jan '72

Study and Teaching

Independent action forces. Maj John M. Mattisse. MarCor Gaz 56:13 Oct '72

Africa, Southern

The military outlook: Southern Africa. Lewis H. Gann. illus map Mil Rev 52:59-72 Jul '72

GreeceHistory

Urban guerrillas in Athens. MajGen C.E.A. Firth. illus RUSI J for Def Studies 117:52-56 Mar '72

Ireland

Britain's mini-war in Northern Ireland. John Marriott. Armed Forces J 109:23-24 Feb '72

Commitment on the doorstep (British Army in Northern Ireland). Editorial. Army Qtr 102:1-5 Oct '71

Countermeasures against the urban guerrilla. Brig C.N. Barclay, Ret. illus Mil Rev 52:83-90 Jan '72

Impressions from Ulster. Colin Beer. Army Qtr 102:365-369 Apr '72

Op Huntsman. (Account of a Londonderry operation which closely followed the introduction of internment in Northern Ireland in Aug 1971) maps RUSI J for Def Studies 117:25-30 Sep '72

Urban guerrilla warfare and the IRA. Richard Middleton. illus Royal United Svcs Inst for Def Studies J 116:72-75 Dec '71

Laos

Allies or hirelings? Col Waller B. Booth, Ret. illus Army 22:43-47 May '72

Middle East

Israeli counter-guerrilla measures. Edgar O'Ballance. illus RUSI J for Def Studies 117:47-52 Mar '72

Some Arab guerrilla problems. Maj Edgar O'Ballance, Ret. illus Mil Rev 52:27-34 Oct '72

Mozambique

Psychological warfare in North Mozambique. P.K. Huijbregtse. NATO's Fifteen Nations 17:28-30 Apr-May '72



GUERRILLA WARFARE - ContinuedVietnam

Vietnam: What next? The strategy of isolation. Gen Cao Van Vien. illus Mil Rev 52:22-30 Apr '72

Vietnam (Republic)

Some aspects of guerrilla warfare--socio-economic, polwar and psywar. Michael Calvert. illus chart RUSI J for Def Studies 117:20-24 Sep '72

GUIDED MISSILES see Missiles

GUNBOATS see Warships

GUNNERY

Simfire--the tank gunnery trainer. J.O.G. Paton. illus RUSI J for Def Studies 117:41-43 Sep '72

Study and Teaching

Instruction in machine-gun firing. Col S. Prokhorov. Soviet Mil Rev No. 2:19-20 Feb '72

Tank gunnery training. Jac Weller. illus Natl Guardsman 26:2-8 May '72

Training of AA gunners to fight tanks. LtCol Y. Vishnevsky. Soviet Mil Rev No. 10:18-19 Oct '72

GUNNERY, AERIALSee also

Fighter Weapons and Gunnery Meets

Direct Reading Range Assessor (DRRA). Maj Ross Whistler. illus tab USAF Ftr Wpns Rev, pp 11-14, Summer '72

F-4 precision low altitude navigation. Maj Richard F. Meyer. illus USAF Ftr Wpns Rev, pp 20-22, Spring '72

Study and Teaching

Combat dart. Capt Gerald D. Huff. illus USAF Ftr Wpns Rev, pp 7-10, Summer '72

Mountain gunnery: One country's (Switzerland's) answer. Capt Leonard Ekman. illus USAF Ftr Wpns Rev No. 4:10-13 Winter '71

GUNSSee also

Machine Guns

Cannon commentary. Regular feature in some issues of USAF Fighter Weapons Review

Down to a gunless sea? Desmond Scrivenor. illus Intl Def Rev 5:254-257 Jun '72

The mechanized Infantry assault gun. Cpts Timothy R. O'Neill and Alfred T. Bowen, Jr. illus Armor 81:34-41 Jan-Feb '72

A new close support weapon for the 70s--the British 105 mm light gun. illus tabs Intl Def Rev 5:37-39 Feb '72

Soviet antiaircraft guns. Col V. Prokhorov. illus Soviet Mil Rev No. 4:38-40 Apr '72

The Vickers 4. 5 in Mk 8 naval gun mounting. illus Intl Def Rev 5:301-304 Jun '72

GUNSHIPS

Score: TOW/Cobras 20, armor 1. (Helicopters vs tanks in joint U.S., Canadian, West German test) Brooke Nihart. illus tab Armed Forces J 110:20 Sep '72

NATO

The anti-tank problem. John Marriott. illus tabs NATO's Fifteen Nations 17:72-82+ Apr-May '72

United States

Another helicopter concept. LtCol James Angeles, Ret. illus USA Avn Dig 18:24-27 Apr '72

Cheyenne dead after lingering illness; new advanced attack helicopter program, UTTAS and aerial scout programs move ahead. Brooke Nihart. Armed Forces J 110:60-61 Sep '72

Debating the future of 'flying tanks.' Lloyd Norman. illus Army 22:18-21 Feb '72

New Cheyenne prototypes will be in FY 73 budget. Armed Forces J 109:21-22 Jan '72

Prime tactical lessons of the Vietnam War--three innovations. LtCol John R. Galvin. illus Army 22:16-20 Mar '72

The role of helicopters in conventional warfare. Col DeLyle G. Redmond. illus USA Avn Dig 18:6-9+ Jan '72

GUNSIGHTS see Fire Control Equipment

HAIG, Alexander M., Jr

Haig new Army VC/S. por Armed Forces J 110:20 Oct '72

Nixon names a 2-star for no.2 Army job (and other AF general officer activity announced). AF Times 33:5 Sep 20 '72

HAINES, Ralph E., Jr

(Armored concept) (Address, U.S. Armor Assoc, Fort Knox, Ky, May 19, 1972) Gen Ralph E. Haines, Jr. por Armor 81:36-39 Jul-Aug '72

Vast CONARC: Forger of men and new ideas. Gen Ralph E. Haines, Jr. por Army 22:26-33 Oct '72

HALL, Albert C.

Defense intelligence family may have a tough haul ahead. por Armed Forces J 109:18 Apr '72

HANDICAPPED

Hire the handicapped. Col John R. Byers. illus Armor 81:26-29 Sep-Oct '72

Mobility for physically impaired persons. Joseph L. Mandella and Harry A. Schweikert, Jr. illus Def Trans J 28:63-67 Jul-Aug '72

HANDLING OF MATERIALS see Materials HandlingHANES, Horace A.

New perspective on aerospace defense. (Address, Fresno Chapter, Air Force Assoc, Fresno, Calif, Sep 9, 1972) MajGen H.A. Hanes. AF Plcy Ltr for Comdrs: Sup No. 10:2-8 Oct '72

HANGARS

Prime BEEF delivers again. (Aircraft hangars constructed at U-Tapao Airfield, Thailand) Capt Floyd A. Ashdown. illus AF Civil Engr 13:21-23 Aug '72

HANSEN, Grant L.

How vulnerable are USAF military space systems? Interview. Grant L. Hansen. por AF Mag 55: 35-40 Jun '72

HARBORD, James G.

The battle of the books: Pershing versus March (versus Harbord). Donald Smythe. illus Army 22:30-32 Sep '72

HARBORS

The excellent ships of Bombay. LCDR J.M. Windas. illus US Nav Inst Proc 98:68-70 Apr '72

MTMTS Terminal Unit, Pacific Northwest. illus Translog 3:24-25 Feb '72

Port of Baltimore: Gateway to America's heartland. H. R. Kaplan. illus Review 52:39-42+ Sep-Oct '72

Rotterdam-Europoort--versatility increases efficiency. Frans Posthuma. illus tab Def Trans J 28:50-53 May-Jun '72

Super-ports for super-ships. LCDR Ronald D. Rosie. illus Mil Engr 64:105-107 Mar-Apr '72

Ten days at Veracruz. (Woodrow Wilson's efforts to make a Mexican port safe for Americans, 1914) CAPT Paul B. Ryan, Ret. illus US Nav Inst Proc 98:64-73 Jun '72

History

The Port of Hampton Roads. Col James H. Tormey. illus maps Mil Engr 64:150-153 May-Jun '72

HARDIN, Ernest C., Jr

AFISC--the eyes and ears of the Chief of Staff. por AF Mag 55:135 May '72

HARLFINGER, Frederick J., II

Communications--Navy gets the message (in Office of Command Support Programs). Interview. VADM Frederick J. Harlfinger II. por Govt Exec 4:22 Nov '72

HARNISH, William M.

Impacts of participative management. (Panel discussion, American Society of Military Comptrollers National Symposium, Bolling AFB, DC, May 17, 1972) Robert L. Froehlke and others. por Armed Forces Compt 17:26-34 Summer '72

HART, Gerald A.

Gen Hart reviews a milestone year at the (ROA National) Convention (Bal Harbour, Fla, June 1972). por Officer 48:4 Aug '72

HARTKE, Vance

Senator Vance Hartke: The retirees' champion. Armed Forces J 110:12 Oct '72

HAYES, John D.

ADM Joseph Mason Reeves, USN (1872-1948). RADM John D. Hayes, Ret. por Nav War Col Rev pt 1, To 1931: The engineering, gunnery and aviation years. 23:48-57 Nov '70; pt 2, 1931 to 1948: Commanding the U.S. fleet and in World War II. 24: 50-64 Jan '72

HAYWARD, John T.

The impact of technology on strategy. VADM J.T. Hayward, Ret. illus US Nav Inst Proc 98:24-30 Sep '72

HAZARDOUS DUTY PAY see Incentive PayHEADQUARTERS AIR FORCE RESERVE

AFRES--on-call professionals. illus chart AF Mag 55:124-126 May '72

HEADQUARTERS COMMAND--AIR FORCE

HEDCOM--multi-mission managers. illus tab AF Mag 55:116-117 May '72

HEALTH AND HYGIENESee also

Diseases  
Mental Health  
Nutrition  
Physical Fitness

HEARINGSee also

Ears

Aural responsivity of a pilot following endolymphatic shunt surgery. J. Robert Dille and others. illus tabs Aerosp Med 43:435-438 Apr '72

Say again all after "ATC clears." Capt Thomas L. Doane. tabs USA Avn Dig 18:15-17 Feb '72

HEART

Aeromedical consultation service case report: Evaluation of asymptomatic flying personnel with intermittent supraventricular arrhythmias. John E. Douglas. illus tab Aerosp Med 43:323-330 Mar '72

HEART - Continued

- Aeromedical evaluation of an asymptomatic patient with a bullet in the heart. W.H. Smiley III and others. illus Aerosp Med 43:207-208 Feb '72
- Anti-hijacking efforts and cardiac pacemakers--report of a clinical study. Oliver C. Hood and others. illus Aerosp Med 43:314-322 Mar '72
- Cardiac electro-mechanical time intervals as indices of hypoxic circulatory stress in man. Nestor B. Kowalsky and Joseph R. Anthony. illus tabs Aerosp Med 43:361-367 Apr '72
- Changes in cardiac rhythm during sustained high levels of positive (+G<sub>z</sub>) acceleration. Samuel J. Shubrooks, Jr. illus tabs Aerosp Med 43:1200-1206 Nov '72
- Continuous ECG recording of helicopter instructor pilots. William P. Schane. illus tabs Aerosp Med 43:560-563 May '72
- Heart attacks: The enemy within. Margaret Eastman. illus AF Times, Family sup:8-11+ Jun 21 '72
- Hemodynamic changes in man during immersion with the head above water. M. Arborelius, Jr and others. illus tabs Aerosp Med 43:592-598 Jun '72
- High-performance exercise cardiometer. Robert S. Luce and John M. Lagerwerff. illus Aerosp Med 43:537-540 May '72
- Hyperactive cardio-inhibitory reflex manifested by a near-syncope episode: A case report. George M. Stone. illus Aerosp Med 43:450-451 Apr '72
- Idiopathic subvalvular aortic stenosis: A case report in a pilot. H. Spencer Turner and others. illus tabs Aerosp Med 43:200-203 Feb '72
- Intracranial aneurysm and sudden death. S.W. Berkheiser. illus Aerosp Med 43:331-332 Mar '72
- Postexercise electrocardiograms, coronary heart disease, and airline pilots. Glen E. Garrison and Warren H. Gullen. illus Aerosp Med 43:86-91 Jan '72
- Primary prevention of atherosclerotic cardiovascular disease among Sabena flying personnel. P. Anet and others. illus Aerosp Med 43:1147-1149 Oct '72
- Relation of tilt tolerance to aerobic capacity and physical characteristics. E. Shvartz and Naomi Meyerstein. tabs Aerosp Med 43:278-280 Mar '72
- Some cardiorespiratory and metabolic responses of scuba divers to increased pressure and cold. C. Joe Russell and others. tabs Aerosp Med 43:998-1001 Sep '72

HEATSee also  
Temperature

- Cross-adaptation in military trainees in a hot climate. Henry B. Hale and others. illus tabs Aerosp Med 43:978-983 Sep '72
- Further study of combined heat, noise and vibration stress. W.F. Grether and others. illus tabs Aerosp Med 43:641-645 Jun '72
- Heat strain in hot and humid environments. E. Shvartz and D. Benor. illus tabs Aerosp Med 43:852-855 Aug '72
- High temperature and performance in a flight task simulator. P.F. Iampietro and others. illus tab Aerosp Med 43:1215-1218 Nov '72

HEAT - Continued

- Natural acclimatization to work in severe heat. E. Shvartz and others. illus tabs Aerosp Med 43:637-640 Jun '72
- Thermal pollution prediction. Capt Joseph R. Calek. Mil Engr 64:119 Mar-Apr '72

HÉBERT, F. Edward

- Caduceus in uniform--Hébert military medical school offers quantum jump in training. Joseph Volz. illus Sea Power 15:13-18 Feb '72
- Hébert defends medical academy. AF Times 33:56 Dec 6 '72
- Hébert takes heat on recomp--many however, share blame. Bob Horowitz. AF Times 32:10 Mar 8 '72
- Recomp hope for '72 dies. Bob Horowitz. AF Times 32:1+ Feb 16 '72
- Rep Hébert's "Uniformed Services University" (of Health Sciences) to be established after House-Senate accord. Officer 48:13 Oct '72

HEISER, Joseph M., Jr

- Army Security Assistance Program seeks new support approaches--logistics system streamlined. LtGen Joseph M. Heiser, Jr. illus map Def Mgt J 8:76-79 Oct '72
- Commissary users save \$62 monthly. AF Times 32:5 Mar 8 '72
- The logistics five year plan--1971-1976. LtGen Joseph M. Heiser, Jr and Michael H. Dugan. illus tabs Army Log 4:18-23 Mar-Apr '72
- Logistics offensive. LtGen Joseph M. Heiser, Jr. Log Spectrum 6:18-20+ Winter '72

HELICOPTER INDUSTRY AND TRADEFrance

- The SA. 360--Aérospatiale's new baby. M. Grangier. illus Interavia 27:1124-1125 Oct '72

Germany (Federal Republic)

- The Bo 105--a new pattern in helicopters. Kenneth Barnes. illus tab Interavia 27:1126-1128 Oct '72
- Bo-105--Germany's first helicopter in series production. illus Interavia 27:344-345 Apr '72

Russia

- Over all continents--Soviet winged craft and helicopters. Maj V. Zhigarev. illus Soviet Mil Rev No. 1:24-27 Jan '72

United States

- 'Superb engineering' wins UTTAS for Sikorsky, Boeing. illus Armed Forces J 110:46 Oct '72

HELICOPTER TYPE

- Only U.S. military helicopters are entered under type as given by the latest issue of the Department of Defense Model Designation of Military Aircraft, Rockets & Guided Missiles. For helicopters of other countries see entries under specific categories. e.g., Helicopters, Military--Great Britain.



HELICOPTER TYPE - ContinuedAH-1

The AH1G versus enemy tanks at An Loc. (Address, U. S. Armor Assoc, Fort Knox, Ky, May 19, 1972) Maj Jerome R. Daley. illus Armor 81:42-43 Jul-Aug '72

The AH-1J Seacobra. illus Approach 17:10-13 Feb '72

AH-56

CAS: The hardware and the mission. Claude Witze. illus AF Mag 55:17-18+ May '72

Cheyenne dead after lingering illness; new advanced attack helicopter program, UTTAS and aerial scout programs move ahead. Brooke Nihart. Armed Forces J 110:60-61 Sep '72

Debating the future of 'flying tanks.' Lloyd Norman. illus Army 22:18-21 Feb '72

New Cheyenne prototypes will be in FY 73 budget. Armed Forces J 109:21-22 Jan '72

CH-47

The Chinook story. Leo Burnett. illus tabs USA Avn Dig 18:8-14 Aug '72

ISIS (Integral Spar Inspection System) makes your flying safer. Maj Edwin R. Widmer. illus USA Avn Dig 18:54-55 Sep '72

CH-53

CH-53E Super Stallion. Col F. M. Kleppsattel. illus MarCor Gaz 56:43-46 May '72

Corps accepts last CH-53D. MarCor Gaz 56:7 Apr '72

Cayuse

See OH-6

Cheyenne

See AH-56

Chinook

See CH-47

Cobra

See AH-1

HH-43

Little Pedro: The copter (HH-43) that could. illus AF Times 32:51 Jan 19 '72

Hueycobra

See AH-1

Huskie

See HH-43

Iroquois

See UH-1

Kiowa

See OH-58

Nighthawk

See UH-1

OH-6

The quiet one (OH-6). illus USA Avn Dig 18:12-13 Feb '72

OH-58

Turbine trainers. Capt John W. Lahey. illus USA Avn Dig 18:5 Sep '72

HELICOPTER TYPE - ContinuedSH-3

'Is this the party to whom I am speaking?' (Complacency) illus Approach 18:8-10 Jul '72

Sea King

See SH-3

Seacobra

See AH-1

Seastallion

See CH-53

UH-1

Cheyenne dead after lingering illness; new advanced attack helicopter program, UTTAS and aerial scout programs move ahead. Brooke Nihart. Armed Forces J 110:60-61 Sep '72

Evolution--helicopter crashworthy fuel system. Gene Berta. illus tabs USA Avn Dig 18:44-45 Jul '72

The helicopter will not float. Maj David E. Vaughan. illus Aerosp Safety 28:1-3 Jan '72

More UTTAS bum dope? Armed Forces J 109:60 Jun '72

SFTS--Synthetic Flight Training System. Maj Fred-eric H. Stubbs. illus tabs USA Avn Dig 18:6-11 Sep '72

Turbine trainers. Capt John W. Lahey. illus USA Avn Dig 18:5 Sep '72

HELICOPTERSAccidents

See Accidents, Air; Accidents, Ground (Aircraft)

Control

See Flight Control Systems

Design

Improving the helicopter--what next? illus Interavia 27:1121-1123 Oct '72

History

A tribute to Igor Sikorsky. Claude Witze. illus AF Mag 55:26-27 Dec '72

Inspection

See Preflight Inspections

Instruments

See Aeronautical Instruments

Lift Capability

Helicopter operations at Interflug. Klaus Höhle. illus Interavia 27:1216-1217 Nov '72

Maintenance and Repair

See Aircraft Maintenance

Manufacture

See Helicopter Industry and Trade

Refueling

See also In-Flight Refueling

HELICOPTERS - ContinuedSafety Measures

See also  
Flying Safety

Helo passenger briefings. illus Approach 18:21-23  
Nov '72

France

The fire-fighting Puma. illus Interavia 27:756-757  
Jul '72

The SA. 360--Aérospatiale's new baby. M. Grangier.  
illus Interavia 27:1124-1125 Oct '72

Germany (Democratic Republic)

Helicopter operations at Interflug. Klaus Höhle. illus  
Interavia 27:1216-1217 Nov '72

Germany (Federal Republic)

The Bo 105--a new pattern in helicopters. Kenneth  
Barnes. illus tab Interavia 27:1126-1128 Oct '72

Bo-105--Germany's first helicopter in series  
production. illus Interavia 27:344-345 Apr '72

Great Britain

N.E. Scotland's civil ASR (Air-Sea Rescue)--BEA  
helicopters plug a gap. James D. Ferguson. illus  
Air Pict 34:16-17 Jan '72

North Sea oil helicopter support. James D. Ferguson.  
illus Air Pict 34:302-303 Aug '72

Russia

Over all continents--Soviet winged craft and  
helicopters. Maj V. Zhigarev. illus Soviet Mil  
Rev No. 1:24-27 Jan '72

Soviet winged craft and helicopters. Maj V. Zhigarev.  
illus Soviet Mil Rev No. 3:36-37 Mar '72

HELICOPTERS, EXPERIMENTAL see Aircraft, Experi-  
mental

HELICOPTERS, GUNSHIP see Gunships

HELICOPTERS, LOCAL SERVICE

Hong Kong gets mobile--by helicopter. Peter Illiffe-  
Moon. illus Air Pict 34:96-98 Mar '72

Sea-bridge: Land-to-rig helicopter link. J. D. Fergu-  
son. illus map Interavia 27:1214-1215 Nov '72

HELICOPTERS, MILITARY

See also

COIN Aircraft

also entries on U. S. military helicopters by  
model designation under the specific type, e. g.,  
Helicopter Type--UH-1

The helicopter in land battle. Armed Forces J 109:  
24-25 Jan '72

Score: TOW/Cobras 20, armor 1. (Helicopters vs  
tanks in joint U.S., Canadian, West German test)  
Brooke Nihart. illus tab Armed Forces J 110:20  
Sep '72

Accidents

See Accidents, Air; Accidents, Ground (Air-  
craft)

Armament

Air armament. Col Robert L. Johnston. Ret. Regular  
feature in some issues of Ordnance

HELICOPTERS, MILITARY - ContinuedArmament - Cont'd

Another helicopter concept. LtCol James Angeles,  
Ret. illus USA Avn Dig 18:24-27 Apr '72

Army's tank aces. Armed Forces J 109:15-16  
Jul '72

Blades

Autorotation. (Reprinted from MAC Flyer, Dec 1971)  
illus Approach 17:18-22 Mar '72

The case of fragmented blades. LtCol Robert D.  
Brubaker. illus MAC Flyer 19:3-6 Jul '72

ISIS (Integral Spar Inspection System) makes your  
flying safer. Maj Edwin R. Widmer. illus USA  
Avn Dig 18:54-55 Sep '72

Strange strikes. LCDR D.A. Mohr. illus tab Approach  
17:14-15 Jan '72

Tail rotor emergencies. LCDR T.F. Doyle, Jr. illus  
Approach 17:33-37 Apr '72

Characteristics

An aerial blocking force. Fred K. McCoy. illus Armor  
81:29-34 Mar-Apr '72

Cheyenne dead after lingering illness; new advanced  
attack helicopter program, UTTAS and aerial  
scout programs move ahead. Brooke Nihart.  
Armed Forces J 110:60-61 Sep '72

The Chinook story. Leo Burnett. illus tabs USA Avn  
Dig 18:8-14 Aug '72

Components

How the Navy saves dollars with sense. Maj Ethmer  
W. King. illus US Nav Inst Proc 98:105-109  
Dec '72

Control

See Flight Control Systems

Cost of Operation

How the Navy saves dollars with sense. Maj Ethmer  
W. King. illus US Nav Inst Proc 98:105-109  
Dec '72

Design

Army gets go-ahead for scrubbed down AAH. Brooke  
Nihart. Armed Forces J 110:14 Dec '72

Army weapons, equipment, 1972: Promise and un-  
certainty. Eric C. Ludvigsen. illus Army 22:124-  
126+ Oct '72

Ditching

The helicopter will not float. Maj David E. Vaughan.  
illus Aerosp Safety 28:1-3 Jan '72

Electronic Equipment

See Electronic Equipment (Aircraft)

Emergency Procedures

Extraction without a landing zone. Capt Carleton P.  
Vencill. illus USA Avn Dig 18:18-21+ Apr '72

The helicopter will not float. Maj David E. Vaughan.  
illus Aerosp Safety 28:1-3 Jan '72

Practice autorotation--just a simulated emergency.  
Maj Bob Gardner. illus MAC Flyer 19:8-9 Sep '72

HELICOPTERS, MILITARY - ContinuedEnginesMaintenance and Repair

Turbine engine supply management. LtCol Kenneth E. Kellogg. USA Avn Dig 18:22-23 Apr '72

Fuel Systems

Evolution--helicopter crashworthy fuel system. Gene Berta. illus tabs USA Avn Dig 18:44-45 Jul '72

Ground-Support Equipment

The ground helicopter transport/trailer. Maj Paul D. Keller. illus Armor 81:49-51 May-Jun '72

Ice Prevention

The old rotocraft bugaboo. (Icing) illus MAC Flyer 19:14-15 Dec '72

InspectionSee also

Preflight Inspections

Fantasy to fact. (Army automatic aircraft inspection system) Lamoine A. Plog and Kenneth D. Kasai. illus Army Log 4:14-17 Mar-Apr '72

InstrumentsSee Aeronautical InstrumentsLanding and Takeoff

Autorotation. (Reprinted from MAC Flyer, Dec 1971) illus Approach 17:18-22 Mar '72

Can you remember what an autorotation is ... really? Capt Gary W. Wing. illus USA Avn Dig 18:8-9+ Oct '72

Overgross and into the ditch. illus USA Avn Dig 18:46-47 Mar '72

Scratch two downwind. LtCol Gerald A. Jones. illus Aerosp Safety 28:18-19 Jan '72

Tail rotor emergencies. LCDR T.F. Doyle, Jr. illus Approach 17:33-37 Apr '72

Triangle of safety. Maj Robert D. Furman. illus Combat Crew 23:12-14 Nov '72

Lift Capability

Developing the heavy lift helicopter--an improved logistics helicopter within a decade? illus tab Army Log 4:4-8 Jul-Aug '72

Requisite for a heavyweight. LCDR D.A. Mohr. illus tab Approach 18:18-21 Aug '72

Load Distribution

Overgross and into the ditch. illus USA Avn Dig 18:46-47 Mar '72

Requisite for a heavyweight. LCDR D.A. Mohr. illus tab Approach 18:18-21 Aug '72

Maintenance and RepairSee Aircraft MaintenanceManufactureSee Helicopter Industry and TradeModifications

The quiet one (OH-6). illus USA Avn Dig 18:12-13 Feb '72

HELICOPTERS, MILITARY - ContinuedMothballingSee Helicopters, Military--StoragePiloting

Autorotation. (Reprinted from MAC Flyer, Dec 1971) illus Approach 17:18-22 Mar '72

Can you remember what an autorotation is ... really? Capt Gary W. Wing. illus USA Avn Dig 18:8-9+ Oct '72

Instrument flight without instruments. Capt Philip G. Carthage. illus USA Avn Dig 18:4-5+ Oct '72

Tail rotor emergencies. LCDR T.F. Doyle, Jr. illus Approach 17:33-37 Apr '72

Triangle of safety. Maj Robert D. Furman. illus Combat Crew 23:12-14 Nov '72

Study and Teaching

Low level (navigation) proficiency. Capt Carl A. Meyer. illus USA Avn Dig 18:2-5 Apr '72

The way of the future: Low level. LtCol Donald R. Hull. illus USA Avn Dig 18:2-3+ Oct '72

Power PlantsSee also

Helicopters, Military--Engines

Protection

Combat aircraft revetments--a review. Capt Glen E. Brisbane. illus Mil Engr 64:92-94 Mar-Apr '72

RefuelingSee also

In-Flight Refueling

Closed-circuit refueling system. Maj Frederic H. Stubbs. illus USA Avn Dig 18:22-23 Mar '72

Safety MeasuresSee also

Flying Safety

Closed-circuit refueling system. Maj Frederic H. Stubbs. illus USA Avn Dig 18:22-23 Mar '72

Helicopter egress is possible. Maj Jerry Preston. illus MAC Flyer 19:3-7 Jun '72

Helicopter terrain collisions. George E. Bean. illus tabs USA Avn Dig 18:39-41 Jan '72

Skid operations aboard the amphibis. CDR Edward W. Hille and others. illus Approach 18:18-22 Sep '72

Spare Parts

Turbine engine supply management. LtCol Kenneth E. Kellogg. USA Avn Dig 18:22-23 Apr '72

Storage

Chopper's last stand (at Military Aircraft Storage and Disposition Center, Davis-Monthan AFB, Ariz). Sgt1C D. Mallicoat. illus Soldiers 27:5-7 Dec '72

Study and Teaching

Crew chief school established at Hill (AFB, Utah). AF Times 32:40 Jul 19 '72



HELICOPTERS, MILITARY - ContinuedStudy and Teaching - Cont'd

They're in the Army now. (AF helicopter pilots train at Fort Rucker, Ala) LtCol Robert D. Brubaker. illus Airman 16:14-16 Nov '72

Tails

Tail rotor emergencies. LCDR T.F. Doyle, Jr. illus Approach 17:33-37 Apr '72

Takeoff

See Helicopters, Military--Landing and Takeoff

Weight

Requisite for a heavyweight. LCDR D.A. Mohr. illus tab Approach 18:18-21 Aug '72

France

Aviation in the French Army. illus USA Avn Dig 18: 28-32 Sep '72

Great Britain

Army Aviation. J. D. R. Rawlings. illus charts Air Pict pt 1, Organisation, tasks, and equipment. 34:296-299 Aug '72; pt 2, Flying with the Army. 34:349-352 Sep '72; pt 3, Taking up arms. 34: 386-388 Oct '72

BAOR (British Army Of the Rhine)'s airborne trucking service (No. 18 Sq). Roger Goodwin. illus Air Pict 34:172-173 May '72

Israel

Israeli helicopter forces: Organization and tactics. Maj Thomas J. Marshall. illus Mil Rev 52:94-99 Jul '72

United States

An aerial blocking force. Fred K. McCoy. illus Armor 81:29-34 Mar-Apr '72

The attack helicopter. LT John C. Cook, Jr. illus US Nav Inst Proc 98:97-98 Oct '72

A closer look at the Utility Tactical Transport Aircraft System (UTTAS). illus Govt Exec 4:32-34+ Apr '72

Debating the future of 'flying tanks.' Lloyd Norman. illus Army 22:18-21 Feb '72

Developing the heavy lift helicopter--an improved logistics helicopter within a decade? illus tab Army Log 4:4-8 Jul-Aug '72

The fuzz also fly. Maj Walter J. Chrobak. charts illus USA Avn Dig 18:24-25 Oct '72

More UTTAS bum dope? Armed Forces J 109:60 Jun '72

Prime tactical lessons of the Vietnam War--three innovations. LtCol John R. Galvin. illus Army 22:16-20 Mar '72

A rebuttal on UTTAS: Army defends its Utility Tactical Transport Aircraft System development Interview and clarification. BrigGen William J. Maddox. illus Govt Exec 4:44-46+ Jun '72

The role of helicopters in conventional warfare. Col DeLyle G. Redmond. illus USA Avn Dig 18:6-9+ Jan '72

'Superb engineering' wins UTTAS for Sikorsky, Boeing. illus Armed Forces J 110:46 Oct '72

HELICOPTERS, MILITARY - ContinuedUnited States - Cont'd

UTTAS (Utility Tactical Transport Aircraft System) to succeed Huey. Richard E. Gile. illus Infantry 62:56-57 Nov-Dec '72

History

Mission: Helicopters. (Marine Helicopter Sq One (HMX-1)) Capt W. R. Marks, Jr. illus tab MarCor Gaz 56:30-35 May '72

Study and Teaching

SFTS--Synthetic Flight Training System. Maj Frederick H. Stubbs. illus tabs USA Avn Dig 18:6-11 Sep '72

HELICOPTERS, TRAINERUnited States

Turbine trainers. Capt John W. Lahey. illus USA Avn Dig 18:5 Sep '72

HELICOPTERS IN BUSINESS

Helicopter operations at Interflug. Klaus Höhle. illus Interavia 27:1216-1217 Nov '72

North Sea oil helicopter support. James D. Ferguson. illus Air Pict 34:302-303 Aug '72

Sea-bridge: Land-to-rig helicopter link. J. D. Ferguson. illus map Interavia 27:1214-1215 Nov '72

HELICOPTERS IN COUNTERINSURGENCY see COIN AircraftHELICOPTERS IN FIRE FIGHTING

The fire-fighting Puma. illus Interavia 27:756-757 Jul '72

HELICOPTERS IN MEDICAL SERVICE

Aerial ambulance (MAST). Jack L. Finger. illus USA Avn Dig 18:45-47 Nov '72

Copter ambulance service (MAST) expanded into 19 states. AF Times 32:18 Feb 23 '72

(Guardsmen as) lifeguards on the highways. illus Natl Guardsman 26:28-29 Oct '72

Injured until proven healthy. Maj Frederic M. Brown. illus Interceptor 14:18-19 Jan '72

On using swords as plowshares. illus AF Times pt 1, The dust off dividend (Military Assistance to Safety and Traffic (MAST)). Andrew Schneider. Family sup:8+; pt 2, Peaceful uses of military forces. Albert D. Biderman. Family sup:9+ Oct 18 '72

Project MAST (Military Assistance for Safety in Traffic). 1stLt Ron Sconyers. illus MAC Flyer 19:22-23 Jun '72

To save a life. (MAST) SP4 Chuck Noland. illus Soldiers 27:34-36 Mar '72

To save a life. (Medevac accidents) Capt Curtis M. Wiegman. illus USA Avn Dig 18:56-59 Aug '72

HELICOPTERS IN RESCUE WORK

Aerial ambulance (MAST). Jack L. Finger. illus USA Avn Dig 18:45-47 Nov '72

Air rescue in Southeast Asia--right from Hanoi's own backyard. Edgar Ulsamer. illus AF Mag 55: 30-34 Oct '72

HELICOPTERS IN RESCUE WORK - Continued

Extraction without a landing zone. Capt Carleton P. Vencill. illus USA Avn Dig 18:18-21+ Apr '72

Helicopters give aid in Peruvian floods. AF Times 32:53 May 24 '72

Little Pedro: The copter (HH-43) that could. illus AF Times 32:51 Jan 19 '72

The longest flight. illus TAC Attack 12:16-18 May '72

N.E. Scotland's civil ASR (Air-Sea Rescue)--BEA helicopters plug a gap. James D. Ferguson. illus Air Pict 34:16-17 Jan '72

On using swords as plowshares. illus AF Times pt 1, The dust off dividend (Military Assistance to Safety and Traffic (MAST)). Andrew Schneider. Family sup:8+; pt 2, Peaceful uses of military forces. Albert D. Biderman. Family sup:9+ Oct 18 '72

Project MAST (Military Assistance for Safety in Traffic). 1stLt Ron Sconyers. illus MAC Flyer 19:22-23 Jun '72

Routine to the unaware. (From Albatross to Choctaw: The 304th ARRSq makes a difficult transition safely and smoothly) George M. Myers. illus MAC Flyer 19:12-13 Nov '72

Search and rescue service in Denmark with special reference to accidental hypothermia. K. Jessen and Johs O. Hagelsten. tab Aerosp Med 43:787-791 Jul '72

HELICOPTERS IN SCIENTIFIC RESEARCH

Fog dissipation questionnaire results. illus tabs USA Avn Dig 18:24-25 Aug '72

HELMETS

Say again all after "ATC clears." Capt Thomas L. Doane. tabs USA Avn Dig 18:15-17 Feb '72

HENION, John Q.

The big push to man Army of volunteers. MajGen John Q. Henion. por Army 22:96-99 Oct '72

HERBERT, Anthony B.

The Herbert case and the record. (War crimes allegations and Army findings) Army 22:6-11 Feb '72

Hero or liar--the curious case of LtCol Anthony B. Herbert, USA. Lee Ewing. illus AF Times, Family sup:8-13 Apr 19 '72

HIGHWAYS see RoadsHJACKING OF AIRCRAFT see Airplane HijackingHILL, Homer S.

60 years of Marine Air, 1912-1972. MajGen H. S. Hill. illus MarCor Gaz 56:20-22 May '72

HISTORYSee also

Military History

also subdivision History under specific subjects

History and the military. Stanley Sandler. illus Mil Rev 52:26-31 Jan '72

HODGSON, James D.

Worker productivity key element in government and business. J. D. Hodgson. illus Def Mgt J 8:2-6 Oct '72

HOEFLY, Ethel A.

Nurse, AF's second lady general (Ethel A. Hoefly), to pin on star (and other general officer activity announced). AF Times 32:5 Jul 5 '72

Nursing chief pins on star. Sue Toma. por AF Times 32:22 Jul 19 '72

HOLLIS, Harris W.

In Reserves, watchword is relevance. LtGen Harris W. Hollis. por Army 22:74-80 Oct '72

Reserve Component philosophy: "Tender, loving care." LtGen Harris W. Hollis. Def Mgt J 8:57-59 Oct '72

HOLLOWAY, Bruce K.

AFA--effective voice of aerospace power. Gen Bruce K. Holloway. por AF Mag 55:70-72 Jan '72

(Gen John C.) Meyer takes SAC reins; (Gen Bruce K.) Holloway to advisor job (and other stars reassigned). AF Times 32:8 May 17 '72

SAC commander Holloway to retire after 35 years (and other generals reassigned). por AF Times 32:8 Jan 19 '72

Strategic preparedness. Gen Bruce K. Holloway, Ret. illus Ordnance 57:48-50 Jul-Aug '72

HOLM, Jeanne M.

Lady stars give Hill the word. AF Times 32:11 Mar 22 '72

WAF to serve in more jobs. (Address, Pennsylvania State Convention of the Air Force Assoc, Sewickley, June 24, 1972) BrigGen Jeanne M. Holm. AF Plcy Ltr for Comdrs: Sup No. 9:27-32 Sep '72

The woman in uniform--how liberated can she be? Margaret Eastman. por AF Times pt 1, Family sup:6-9+ Mar 15 '72; pt 2, Servicewomen speak out. Family sup:6-11+ Apr 5 '72; pt 3, Some people in uniform are more equal than others. Family sup:24-25+ Apr 19 '72

Women shy away from WAF titlc. AF Times 33:2 Oct 18 '72

HOLMES, Ephraim P.

Former SACLAN'T's. por biog NATO's Fifteen Nations 17:24-26 Feb-Mar '72

HOLMQUIST, Carl O.

The T-3 incident. (Fatal shooting on Navy Arctic drifting ice station) RADM C. O. Holmquist. illus US Nav Inst Proc 98:44-53 Sep '72

HOLOGRAPHY

(New holographic technique) Signal 26:122+ Jan-Feb '72

HOMBS, Roger

Dentists to stress prevention plans. Interview. BrigGen Roger Hombs. AF Times 32:3 Jul 12 '72

HOME LOANS see Loans, HomeHOMING PIGEONS see Birds

HONG KONG

Hong Kong gets mobile--by helicopter. Peter Illiffe-Moon. illus Air Pict 34:96-98 Mar '72

Hong-Kong--the past, present and likely future of the colony. Brig C.N. Barclay. map Army Qtr 102: 468-474 Jul '72

HONOR SYSTEM

Academy cheating raises questions. Ed Gates. AF Times 32:13 Feb 23 '72

Academy (honor) code praised. AF Times 33:63 Nov 29 '72

HONORSSee also

Awards, Decorations, etc.

AFCEA Chapter Man of the Month (BrigGen Thomas H. King, Ret). illus Signal 26:42 Mar '72

(Carl) Albert emphasizes duty of Americans to defend nation (in accepting Minute Man Award at ROA Banquet, ROA Mid-Winter Meeting, Feb 25, 1972) illus Officer 48:6-8 Apr '72

CDR George Evans, Jr named (ROA) Chaplain of the Year. illus Officer 48:15 Feb '72

Congressman Alexander Pirnie honored as the "savior of the Coast Guard Reserve." illus Officer 48:10 Jan '72

Honors for General Bradley. illus Armed Forces J 109:14-15 Jul '72

Instructor recognition--the 1971 outstanding NCO Academy instructors. illus USAF Instrs J 9:2-3 Winter '71-'72

Look up, soldier. (Sgt1C James Edward Boofter is Army's Outstanding Drill Sergeant for 1972) John Michael Coleman. illus Soldiers 27:40-42 Nov '72

The outstanding twelve (airmen for 1972). illus Airman 16:39-41 Nov '72

'Tail hooker of the year'; (VADM Maurice F.) Weisner in profile. Robert J. Boylan. illus Sea Power 15:22-23 Jan '72

12 top airmen chosen (Outstanding Airmen) for '72. AF Times 32:2 Jul 26 '72

Two of 12 top EM to get bars. illus AF Times 33:5 Oct 4 '72

USAF School of Aerospace Medicine Outstanding Instructor Awards for 1971: LtCol Jefferson C. Davis, Maj Bruce E. Bassett, MSgt Stewart J. Laing, TSgt John F. Grimmer. illus USAF Instrs J 9:3 Spring '72

HOSPITAL SHIPS

Colombia's riverine welfare. VAdm Jamie Parra Ramirez. illus tabs US Nav Inst Proc 98:107-110 Aug '72

HOSPITALSSee also

Dispensaries

Air Force--U.S.

Dispensary setup revised--now hospital or clinic. AF Times 33:51 Aug 30 '72

HOSPITALS - ContinuedAir Force--U.S. - Cont'd

Hospital staffs told to treat patients kindly. AF Times 32:23 Feb 16 '72

Medical food service management. TIG Brief 24:17 Nov 24 '72

Medical supply audited--27 suggestions made. AF Times 32:8 May 24 '72

Obstetrical care to end at 12 bases. Paul Collins. AF Times 32:4 Mar 29 '72

Pastoral ministry. TIG Brief 24:20 Dec 8 '72

Armed Forces--U.S.

Managing an efficient hospital clinic. TIG Brief 24:14 Apr 21 '72

The military abortion maze. Margaret Eastman and Jim Sample. illus tabs AF Times pt 1, Family sup:6-13+ Nov 1 '72; pt 2, Family Sup:8-11+ Nov 15 '72

The new generation hospital. TIG Brief 24:9-10 Dec 22 '72

Your medical care: It's better than you think. Andrew Schneider and Barry Fishler. illus AF Times, Family sup:8-12 May 17 '72

Army--U.S.

Heal that burn (at Brooks Army Medical Center's Institute of Surgical Research, Fort Sam Houston, Tex). SP4 Chuck Noland. illus Soldiers 27:40-43 Feb '72

A new mobile field hospital concept--(Medical Unit Self-contained, Transportable (MUST)) in operation at Transpo '72. illus Govt Exec 4:43 May '72

United States

Committee approves wider VA (hospital) care. AF Times 32:5 May 10 '72

HOTELS AND MOTELS

Base motels may bar bachelors. AF Times 32:20 Jul 19 '72

DC proves exciting but costly. illus AF Times 32:22 Apr 12 '72

DOD takes control of on-base motels. Bob Towle. AF Times 32:2 May 17 '72

1st TLF (Temporary Lodging Facility) opens (at Norton AFB, Calif) as two issues stir AF. illus AF Times 33:59 Aug 9 '72

On-base motel hearing reopens. AF Times 32:18 Jan 26 '72

TLF expansion in trouble--Congress attacks; DOD restricts. AF Times 33:11 Dec 27 '72

TLFs opening at nine bases--6 others in doubt. AF Times 33:4 Dec 13 '72

Three-in-one trick. (Rhein-Main AB Aerial Port Hotel) MSgt L. B. Leonberger. illus Airman 16:9-11 May '72

HOURS OF LABOR

Duty hours and sleep patterns in aircrew operating world-wide routes. Anthony N. Nicholson. illus tabs Aerosp Med 43:138-141 Feb '72



HOURS OF LABOR - Continued

- Maintenance: 12-hour day. (Project Rivet Rally) AF Times 32:1+ Jun 28 '72
- 12-hour day rules set (for) maintenance programs. AF Times 33:8 Nov 1 '72
- 12-hour policy sets maximum for maintenance (men). AF Times 32:22 Jul 12 '72
- Workweek extended at many remote sites. Bob Towle. AF Times 33:1+ Oct 18 '72

HOUSE TRAILERS

- Bad bargains & prudent palaces--mobile homes. Joe Revell. illus map AF Times, Family sup:11-13+ Sep 20 '72
- Mobile homes follow families. AF Times 32:63 Jun 7 '72
- Movement of a mobile home. TIG Brief 24:21 Jul 14 '72
- NCOA (Non-Commissioned Officers Association) to operate mobile home sites. AF Times 32:4 Aug 2 '72

HOUSEHOLD EFFECTS

- The Army post transportation office (Fort Eustis, Va)--a case study. James B. Short. illus chart Def Trans J 28:62-65 Mar-Apr '72
- CG rules on ruined home items. AF Times 32:18 Mar 15 '72
- Claims policies liberalized for moving damage. Paul Collins and George Foster. AF Times 32:1+ May 17 '72
- Deadline set for shipping foreign cars. Bob Horowitz. AF Times 33:1+ Nov 22 '72
- How to make smooth moves. AF Times 32:55 May 24 '72
- Kin of POWs win new paid move (by changes to Joint Travel Regulations). AF Times 33:3 Nov 29 '72
- Liberal auto, h(ouse)h(old) goods rules periled. Bob Horowitz. AF Times 33:1+ Sep 27 '72
- Maj (Owen C. Bell) awarded \$2,266.22 in furniture-moving case. AF Times 32:18 Mar 29 '72
- Movement of a mobile home. TIG Brief 24:21 Jul 14 '72
- Movement of household goods. TIG Brief 24:19 Jun 2 '72
- Moving smooths--on time, little damage. Larry Phillips. tab AF Times 32:63 Jun 7 '72
- Operation Identification. TIG Brief 24:17 Nov 10 '72
- Rules tightened on auto shipment (and extra household goods). AF Times 33:4 Oct 25 '72
- Shipment of autos debated. AF Times 33:9 Oct 18 '72
- Shipping items of extraordinary value within CONUS. TIG Brief 24:17 Jun 30 '72
- Space-A moving restored for foreign-bought autos. AF Times 33:6 Dec 13 '72
- Today's problem ("uncontrolled" countries where no carriers or agents are inspected and qualified by an ITO): An exception. Charles P. Bailey. illus Translog 3:16-17 Jun '72

HOUSEHOLD EFFECTS - Continued

- Weight limits relaxed. Bob Schweitz. AF Times 32:2 May 17 '72

HOUSING

See also  
Barracks and Quarters

Assistance available on homes (to servicemen in areas of base closing and reductions). AF Times 33:5 Aug 16 '72

Germany (Federal Republic)

Poverty in Europe. Jan Nugent. illus AF Times, Family sup:6+ Aug 2 '72

Great Britain

England--it's good duty, but living costly. illus AF Times 32:42 Apr 12 '72

Hawaii

Congress probing Hawaii housing. AF Times 32:9 Mar 1 '72

United States

- DOD asks options on base housing. Bob Towle. AF Times 32:3 Mar 29 '72
- Griffiss (AFB, NY) to get more low-cost housing. illus AF Times 32:6 Jun 14 '72
- HUD cuts income criteria. AF Times 33:2 Sep 6 '72
- Housing at Davis-Monthan (AFB, Ariz) eased for lower grades. illus AF Times 32:8 May 3 '72
- Housing functions due consolidation. Bob Towle. AF Times 32:1+ Apr 19 '72
- Housing priorities shifted--lower EM get break. Bob Towle. tab AF Times 32:1+ Mar 8 '72
- Housing reforms pushed. AF Times 32:8 May 3 '72
- NCOA (Non-Commissioned Officers Association) to operate mobile home sites. AF Times 32:4 Aug 2 '72
- Requirements list E-4 housing needs. Bob Towle. AF Times 32:3 Apr 26 '72
- Stop, look, then listen (before you buy a home near the base). Ed Blair. illus Airman 16:12-15 Dec '72
- Washington, DC
- DC housing--financing comes in many forms. Sue Toma. AF Times 32:55 May 3 '72
- DC housing--tackling the home-buying task. Sue Toma. AF Times 32:55 Apr 26 '72
- DC intensifies bid to take over Bolling (AFB). AF Times 33:3 Sep 6 '72
- DC proves exciting but costly. illus AF Times 32:22 Apr 12 '72
- Vietnam (Republic)
- AFers help Viets construct housing. AF Times 32:49 Mar 8 '72

HOUSING, AMERICAN

Unions win o'sea homes row--civilians stay even in priorities. AF Times 32:47 Jun 7 '72

HOUSING, AMERICAN - ContinuedGermany (Federal Republic)

The Berlin Brigade--soldiering well ... with a little help from our friends the West German taxpayers. illus AF Times, Family sup:23+ Sep 20 '72

Congress boosts funding for '73 housing program. Bob Towle. AF Times 33:2 Nov 22 '72

Germany barracks to get overhaul. AF Times 32:24 Feb 16 '72

'Mod' dorms top construction plans. Bob Towle. AF Times 32:1+ Feb 2 '72

Sprucing up in Europe. Lt Carl G. Schott. illus Army 22:33-35 Apr '72

(USAF bases in) Germany. AF Times pt 1, Barracks need improvement. 32:8 Apr 26 '72

Great Britain

England--it's good duty, but living costly. illus AF Times 32:42 Apr 12 '72

HOVERCRAFT see Air Cushion Vehicles

HOWZE, Hamilton H.

Toward real Reserve readiness: The case for the cadre system. Gen Hamilton H. Howze, Ret. Army 22:12-16 Aug '72

HUGLIN, Henry C.

The right to know (the reasons for many decisions of government). BrigGen Henry Huglin, Ret. Ordnance 57:138-139 Sep-Oct '72

HUMAN ENGINEERING

Machines don't fight. Col John T. Burke. illus Army 22:25-27+ Aug '72

Positioning of aircrews--ultima ratio of G protection? Harald J. von Beckh. illus Aerosp Med 43:743-754 Jul '72

Relationships among isometric forces measured in aircraft control locations. Lloyd L. Laubach and others. illus tabs Aerosp Med 43:738-742 Jul '72

HUMAN RELATIONS

Are equal opportunity councils working? Marianne Lester. illus AF Times, Family sup:8-9 Jan 19 '72

As a company commander sees it. SP5 Dave Clayton. illus Soldiers 27:28-31 Apr '72

Be ready to do what you ask of others. MajGen A.S. Newman. illus Army 22:45-46 Jul '72

Commanders meet human relations problems. (Remarks, 1st International Meeting, Brotherhood Assoc of Military Airmen, Tucson, Ariz, June 8, 1972) MajGen John R. Murphy. AF Plcy Ltr for Comdrs: Sup No. 9:14-20 Sep '72

DOD policy on equal opportunity. (Remarks, Defense Race Relations Institute, Patrick AFB, Fla, Jan 31, 1972) Donald L. Miller. AF Plcy Ltr for Comdrs: Sup No. 3:16-20 Mar '72

Educating and training America's youth. (Address, Georgia Retired Officers Assoc Convention Banquet, Savannah, Oct 13, 1972) MajGen John R. Murphy. AF Plcy Ltr for Comdrs: Sup No. 12: 7-13 Dec '72

HUMAN RELATIONS - Continued

Evaluation systems and superior-subordinate relationships. Anthony J. Daniels. illus Mil Rev 52: 3-8 Jan '72

Human aspects of a systems approach. Capt Richard E. de la Menardiere. AU Rev 23:74-77 Sep-Oct '72

Human relations and the military. LtCol David D. Field, Ret. Review 51:41-42+ Jan-Feb '72

In human relations the best course is frankness. MajGen A.S. Newman, Ret. illus Army 22:52-53 May '72

The informal contract (between the organization and its members). LtCols Robert M. Elton and Dandridge M. Malone. illus Army 22:10-14 Sep '72

Managerial philosophy. James C. Stephens. illus Armed Forces Compt 17:18-20+ Fall '72

A meaningful (officer NCO) relationship. SMSgt James A. Brigham. USAF Instrs J 9:47-50 Winter '71-'72

Mission: Understanding. (ATC Human Relations Team) LtCol Ralf M. Miller and Capt James E. Tilton. illus Airman 16:12-15 Feb '72

A need for personal response. SSgt R. W. Harig. illus MarCor Gaz 56:35-41 Aug '72

Race relations and the leader. Capt William A. Richards. illus Infantry 62:32-37 Mar-Apr '72

Senior and junior rank relationships. Col A. Pyatkov. Soviet Mil Rev No. 1:5-7 Jan '72

Talking it out--antidote for company morale problems. Ch(Maj) Billy W. Libby and Capt Michael Rohrbach. illus Army 22:39-41 Dec '72

HUMAN RELIABILITY

The average of one. Maj John L. Snow. Combat Crew 23:4-6 Oct '72

The capability-judgment gap. LtCol Victor J. Ferrari, Jr. (Reprinted from Aerospace Safety, Nov 1968) illus Aerosp Safety 28:9-11 Aug '72

Knowledge vs desire. Victor E. Schultze, Jr. illus Approach 18:4-5 Sep '72

Personnel aspects of nuclear safety. TIG Brief 24:15 May 5 '72

Personnel error is real--why bury it? TIG Brief 24:9 Oct 27 '72

'Two-man concept'--block to hijackings? Bruce Callander. AF Times 32:13 Mar 29 '72

HUMAN RESOURCES

China's resistant resource: People. Richard L. Walker. Persp in Def Mgt, pp 35-43, Spring '72

'People lab' sets ex-cadet analysis. AF Times 32:44 Mar 15 '72

HUMAN WASIE

Effects of a multi-hour immersion on trained and untrained subjects: 1. Renal function and plasma volume. D. Boening and others. illus tab Aerosp Med 43:300-305 Mar '72

HURRICANES

The Agnes disaster. MajGen Richard H. Groves. tab illus maps Mil Engr pt 1, The storm. 64:380-384; pt 2, Engineer emergency activity. 64:385-387 Nov-Dec '72

Aircraft hurricane evacuation plan. TIG Brief 24:10 Jul 28 '72

Motion sickness symptomatology and performance decrements occasioned by hurricane penetrations in C-121, C-130 and P-3 Navy aircraft. Robert S. Kennedy and others. illus tabs Aerosp Med 43:1235-1239 Nov '72

Power to the people. Capt Charles C. McCloskey III and Norman J. Brodoski. illus Mil Engr 64:388-390 Nov-Dec '72

Project Stormfury--hurricane seeding to increase. AF Times 33:23 Aug 9 '72

The war against water. (ANG and ARNG rescue work after Hurricane Agnes) illus Natl Guardsman 26: 2-9+ Aug-Sep '72

HYDROFOILS

Boeing hydrofoil contract: Five, 25, or 100 PHMs? illus Armed Forces J 109:20 Jan '72

Future water transport. Maj William D. Siuru, Jr and William G. Holder. illus Ordnance 56:395-399 Mar-Apr '72

A new military hydrofoil concept--the Supramar MT 250 G. V. Jost and E. Faber. illus tab Intl Def Rev 4:459-551 Dec '71

Small combatants--1972. Arthur Davidson Baker III. illus tabs US Nav Inst Proc pt 1, Communist, neutral, and NATO North. 98:240-263 May '72

The small economy size--surface effect mini-carrier Larry Booda. illus Sea Power 15:17-21 Jan '72

HYDROGRAPHY

Death of a profession? (Hydrographic engineering) RADM Harley D. Nygren. illus US Nav Inst Proc 98:38-41 Jul '72

HYDROPLANING

An airline pilot looks at crosswind landings on slippery runways. (Condensation of paper, Flight Safety Foundation's 24th Annual Air Safety Seminar, Mexico City, Oct 20, 1971) Capt John B. Clark. illus MAC Flyer 19:8-11 Feb '72

HYDROPLANING - Continued

Another look at hydroplaning. illus TAC Attack 12: 12-13 Feb '72

Hydroplaning. LtGen Glen W. Martin. Combat Crew 23:2-3 Aug '72

Hydroplaning, et al. David Girling. illus TAC Attack 12:20-21 May '72

Slipping & sliding. illus tab Approach 17:10-13 Jan '72

Whoa woes. (Hydroplaning) LtCol David L. Elliott. illus tab Aerosp Safety 28:1-3+ Feb '72

HYDROPORTS see AirportsHYPOXIA

Cardiac electro-mechanical time intervals as indices of hypoxic circulatory stress in man. Nestor B. Kowalsky and Joseph R. Anthony. illus tabs Aerosp Med 43:361-367 Apr '72

Effect of altitude acclimatization and simultaneous acclimatization to altitude and cold on critical flicker frequency at 11,000 ft altitude in man. C.S. Nair and others. illus tabs Aerosp Med 43:1097-1100 Oct '72

Effect of fasting on tolerance to moderate hypoxia. W. G. Hartzell and P. D. Newberry. illus tabs Aerosp Med 43:821-826 Aug '72

Effect of hypoxia on aircraft pilot performance. Robert E. Gold and Linton L. Kulak. illus tabs Aerosp Med 43:180-183 Feb '72

From bottle to throttle. Capt Nathaniel E. Villaire. illus TAC Attack 12:12-13 Jul '72

Hypoxia. Capt Ronald A. Ripps. illus Combat Crew 23:8-11 May '72

A tragedy of "airs." Maj Frederic M. Brown. Interceptor 14:20-23 Apr '72

Vascular headache of acute mountain sickness. Allen B. King and Sumner M. Robinson. illus tabs Aerosp Med 43:849-851 Aug '72

Ventilation response to hypoxia and acute mountain sickness. Allen B. King and Sumner M. Robinson. illus tab Aerosp Med 43:419-421 Apr '72



IATA see International Air Transport Association

IBM WORLD TRADE CORP

Managment goes multinational: The case of IBM.  
R.H. Fentruss. Persp in Def Mgt, pp 53-59,  
Spring '72

ICAO see International Civil Aviation Organization

ICBM see Missiles

ILS see Integrated Logistic Support

INTELSAT see International Telecommunications  
Satellite Consortium

IP see Instructor Pilots

ICE

Operations in the Arctic environment: Yesterday,  
today and tomorrow. Col Bernt Balchen, Ret.  
illus map AF Civil Engr 13:3-6 Nov '72

ICE ISLANDS

The T-3 incident. (Fatal shooting on Navy Arctic  
drifting ice station) RADM C.O. Holmquist. illus  
US Nav Inst Proc 98:44-53 Sep '72

ICEBREAKERS

New super icebreaker with a Sunday punch (W-10).  
H. R. Kaplan. illus Sea Power 15:28-31 May '72

ICELAND

Strategic Importance

Iceland and the maritime threat to NATO. F.P.U.  
Crocker. map RUSI J for Def Studies 117:51-54  
Jun '72

ICING ON AIRCRAFT see

Airplanes--Ice Prevention

Airplanes, Military--Ice Prevention

Helicopters, Military--Ice Prevention

IDENTIFICATION OF MILITARY PERSONNEL

Identification card losses. TIG Brief 24:8 Oct 13 '72

Issue and control of IDentification (ID) cards. TIG  
Brief 24:17 Dec 8 '72

Standard auto decals (for access to Navy and Marine  
Corps bases). MarCor Gaz 56:10 May '72

United States Armed Forces identification credentials.  
TIG Brief 24:9 Feb 11 '72

IDEOLOGY

Contemporary foreign policy in historical perspec-  
tive. (Address, Naval War College) Joseph C.  
Harsch. Nav War Col Rev 25:10-19 Nov-Dec '72

The structure of American society. Max Lerner.  
Forum No. 16:14-24 Fall '72

IMMUNIZATION AND IMMUNITY

Effects of the space flight environment on man's  
immune system: I. Serum proteins and immuno-  
globulins. Craig L. Fischer and others. illus  
Aerosp Med 43:856-859 Aug '72

Effects of the space flight environment on man's  
immune system: II. Lymphocyte counts and re-  
activity. Craig L. Fischer and others. illus Aerosp  
Med 43:1122-1125 Oct '72

Mass inoculations. (Domestic Action Program of the  
Air Force Reservists, Lowell, Mass) Lou  
Osborne. illus Air Reservist 24:6-7 Feb '72

IMMUNIZATION AND IMMUNITY - Continued

A 'shot' of care. (MAC Reservists conduct innocu-  
lation program, Lowell, Mass) Sgt Charles Wood.  
illus Airman 16:28-29 May '72

IMPORT TRADE see Export and Import Trade

IN-FLIGHT MEAL SERVICE

Sp' -ies vanish from in-flight meals. AF  
' Oct 11 '72

The U.S. Air Force search for culinary excellence  
(and the Hennessy Trophy Award program).  
MajGen Jonas L. Blank. illus Review 51:29-30+  
May-Jun '72

IN-FLIGHT REFUELING

The billion dollar save. (In-flight refueling by tankers  
in Vietnam) illus Sea Power 15:33 Dec '72

Exercises Deep Furrow, Creek Party, Polar Cap,  
Rivet Switch. illus Air Reservist 24:6-7 Nov '72

Mutual attraction. (Mid air collisions) Robert J. Boyd.  
Combat Crew 23:18-20 Aug '72

Time of the Tigers. (KC-135 refueling missions in  
SEA) Sgt Dave Cole. illus Airman 16:6-10 Oct '72

IN-SERVICE TRAINING see On-the-Job Training

INACTIVATION OF INSTALLATIONS AND UNITS

Air Force

AF cut to 3 (Vietnam) bases with Phan Rang (AB)  
turnover. AF Times 32:6 Feb 23 '72

ANG to get Otis AFB (Mass) in wave of unit shuffles.  
AF Times 32:55 Apr 12 '72

Assistance available on homes (to servicemen in  
areas of base closing and reductions). AF Times  
33:5 Aug 16 '72

Fighter unit (12th TF Sq) deactivated. AF Times 32:23  
Jul 26 '72

Last TAS (310th TASq) inactivated after nine SEA  
years. AF Times 33:16 Nov 22 '72

More units inactivated in Vietnam. AF Times 32:40  
Mar 15 '72

Raco (Missile) Site Bomarc era ends. AF Times 33:  
37 Nov 8 '72

Armed Forces

Base belt-tightening, cuts--how much, where? Bruce  
Callander. AF Times 33:13 Nov 29 '72

Presidential (Inter-Agency Economic Adjustment)  
Committee eases community adjustment when  
defense dollars disappear--federal resources  
match problem area. Melvin R. Laird. Def Mgt J  
8:66-70 Oct '72

Sizable cuts coming (in military manpower and bases)  
--timing unknown. AF Times 33:1+ Nov 29 '72

INCENTIVE PAY

See also

Flight Pay

Early legislation planned on military special pays.  
Armed Forces J 109:10-11 Mar '72

Hazardous duty pay overhaul launched. Bruce Cal-  
lander. AF Times 33:3 Nov 15 '72

Incentive pay due for AFRes medics. tab AF Times  
33:61 Aug 9 '72

INCENTIVE PAY - Continued

The need for incentives is now. Col John T. Carlton.  
Officer 48:8 Nov '72

INCOMESee also

Gross National Product

Estimating her benefits--tables show widow's income  
after Social Security begins. Robert S. Horowitz.  
AF Times 33:19+ Dec 13 '72

HUD cuts income criteria. AF Times 33:2 Sep 6 '72

Military pay rates higher than civilian. AF Times  
32:1+ Jan 12 '72

Retirees on U.S. payroll: Pay of most is modest. tab  
AF Times 33:13 Dec 27 '72

Salary study will compare government, private rates.  
AF Times 32:4 Mar 8 '72

Senate studies raise for BX employees. AF Times  
32:3 Mar 22 '72

INDIA

India--an economic failure or a potential superpower?  
Demitri B. Shimkin. illus Nav War Col Rev 24:1-8  
May '72

Economic Conditions

India--an economic failure or a potential superpower?  
Demitri B. Shimkin. illus Nav War Col Rev 24:1-8  
May '72

Economic Policy

India--an economic failure or a potential superpower?  
Demitri B. Shimkin. illus Nav War Col Rev 24:1-8  
May '72

Foreign Policy

India--an economic failure or a potential superpower?  
Demitri B. Shimkin. illus Nav War Col Rev 24:1-8  
May '72

Foreign RelationsPakistan

India and Pakistan--what now? LtCol A. A. Mains.  
Army Qtr 102:298-302 Apr '72

Pakistan--what went wrong. LtCol A. A. Mains. Army  
Qtr 102:28-33 Oct '71

Social Conditions

India--an economic failure or a potential superpower?  
Demitri B. Shimkin. illus Nav War Col Rev 24:1-8  
May '72

INDIA-PAKISTAN WAR, 1971

Cosmos coverage of the Indo-Pakistani War. G. E.  
Perry. maps Spaceflight 14:350 Sep '72

India and Pakistan--what now? LtCol A. A. Mains.  
Army Qtr 102:298-302 Apr '72

The Indo-Pakistani War. Brig Cyril N. Barclay, Ret.  
illus map tabs Army 22:20-26 May '72

Military operations in Bangladesh. WgComdr Maharaj  
K. Chopra, Ret. illus map Mil Rev 52:51-60  
May '72

Why India won: The 14-day war. Ravi Rikhye. tabs  
Armed Forces J 109:38-41 Apr '72

INDIAN OCEAN

Mission--explore Diego Garcia. (Joint U.S. and U.K.  
communications facility) LCDR George S.  
Robinson, Jr. illus map Mil Engr 64:120-121  
Mar-Apr '72

Soviet Task Force in Bengal Bay. Ravi Rikhye.  
Armed Forces J 109:29 Aug '72

INDIAN OCEAN REGIONStrategic Importance

Strategic power in the Indian Ocean. R. D. M. Furlong.  
illus map tab Intl Def Rev 5:133-140 Apr '72

INDIANS OF AMERICA see American Indians

INDONESIAForeign Policy

Indonesia's Archipelago Doctrine and Japan's jugular.  
CAPT Richard A. Miller. illus map tabs US Nav  
Inst Proc 98:26-33 Oct '72

Foreign RelationsJapan

Indonesia's Archipelago Doctrine and Japan's jugular.  
CAPT Richard A. Miller. illus map tabs US Nav  
Inst Proc 98:26-33 Oct '72

INDUSTRIAL MOBILIZATION see Mobilization,  
Industrial

INDUSTRIAL PLANNINGSee also

Industry and Defense

Make any money today? (Modern scheduling tech-  
niques) Capt R. G. Ericson. MarCor Gaz 56:49-51  
Mar '72

Technology and the establishment. Col Raymond C.  
Shreckengost. illus Nav War Col Rev 24:16-32  
Mar '72

INDUSTRIAL RELATIONS see Labor-Management  
Relations

INDUSTRIAL SECURITY see Security, Industrial

INDUSTRYSee also

Industrial Planning

Mobilization, Industrial

also specific kinds of industry, e. g.,

Aerospace Industry and Trade

Aircraft Industry and Trade

Electronic Industry and Trade

Fish Industry and Trade

Helicopter Industry and Trade

Missile Industry and Trade

Petroleum Industry and Trade

Managing the logistics function. Hal Bayer. illus chart  
Log Spectrum 6:2-8 Fall '72

Organization and management of the logistics function  
in industry. Herbert W. Davis. tabs Log Spectrum  
6:9-13 Fall '72

Dispersal

Management goes multinational: The case of IBM.  
R. H. Fentruss. Persp in Def Mgt, pp 53-59,  
Spring '72

INDUSTRY - ContinuedUnited States

Former military men have a place in defense industry. RADM Herman Reich, Ret. US Nav Inst Proc 98:91-93 Aug '72

The military-industrial complex and antimilitarism--the role of retired officer employment. Arthur D. Larson. illus tabs AU Rev 23:26-33 May-Jun '72

The Senator wants more analysis (of retired officers in defense industry)--but what kind? Interview. William Proxmire. Armed Forces J 109:38+ May '72

Steelworkers union and industry join hands to improve productivity--economic stability important factor. I. W. Abel. illus Def Mgt J 8:21-24 Oct '72

INDUSTRY AND DEFENSE

Aerospace technology. C. W. Borklund. illus Govt Exec pt 1, A depressed industry and its missing government partner. 4:43-45+ Jan '72; pt 2, Its image, its real nature, its exploitation. 4:63-65+ Feb '72; pt 3, The fight to rebuild momentum. 4:43-44+ Mar '72; pt 4, Progress and pitfalls in diversification. 4:76+ May '72; pt 5, Series summary: Decision-makers' check list on what needs doing. 4:66-68+ Jun '72

Budget myths and realities. Claude Witze. AF Mag 55:12-13 Oct '72

The coming social industrial complex. Simon Ramo. Signal 26:12-15 Mar '72

Communications--a case for national priority. (Address, AFCEA, Washington, June 7, 1972) Robert C. Wilson. illus Signal 26:18-21 Jul-Aug '72

Communications-electronics and the government: 1972 and beyond. L. Berkley Davis. Signal 26:26-29 Jun '72

Controlling Defense costs. (Address, National Security Industrial Assoc Cost Symposium, Washington, Aug 1972) Kenneth Rush. Signal 27: 15-18 Dec '72

Defense procurement: "Directive 5000.1 is loaded." Barry J. Shillito. Govt Exec 4:58+ Apr '72

Employer support of the Guard and the Reserve. (Report on NG and Reserve Forces Seminar, AFA Convention, Washington, Sep 20, 1972) Maj Robert W. Hunter. illus AF Mag 55:82-86 Nov '72

Former military men have a place in defense industry. RADM Herman Reich, Ret. US Nav Inst Proc 98:91-93 Aug '72

Honeywell defends military business--shift in attitude? Bruce Callander. AF Times 32:13 May 17 '72

In good hands. ("Industry Day" at ANG's NCO Academy) illus Natl Guardsman 26:26-27 Jun '72

Industrial preparedness. Col Christopher S. Maggio. illus Parameters 2:52-59 Spring-Summer '72

Integrated logistics support and organizational relationships. Thomas T. Tierney. illus Log Spectrum 6:5-13 Summer '72

Job switching in government and industry--Uncle Sam has payoff for both sectors. illus Govt Exec 4:71-73 Jun '72

INDUSTRY AND DEFENSE - Continued

Management in the Armed Forces. T. E. Chester. illus Royal United Svcs Inst for Def Studies J 116: 24-31 Dec '71

Meeting the challenge of change--a discussion of: Strategy of realistic deterrence; Defense funding considerations; Quality control of C&E equipment; Industry-military cooperation. BrigGen D. L. Werbeck. illus Signal 27:10-17 Oct '72

The military-industrial complex and antimilitarism--the role of retired officer employment. Arthur D. Larson. illus tabs AU Rev 23:26-33 May-Jun '72

Mobility planning is everybody's business. MajGen Clarence J. Lang. illus Def Trans J 28:32-35 Sep-Oct '72

Packard blasts leaders (before a meeting of the National Security Industrial Association). Bob Schweitz. AF Times 32:2 Mar 22 '72

Partners in defense. (Address, 54th Annual Meeting, American Ordnance Assoc, Washington, May 11, 1972) Thomas V. Jones. Ordnance 57:40-42 Jul-Aug '72

Program management. Gen George S. Brown. illus Ordnance 57:54-58 Jul-Aug '72

Something old and something new. (AFA's 1972 aerospace development briefings) (AFA Convention, Washington, Sep 17-21, 1972) Claude Witze. illus AF Mag 55:72-75 Nov '72

South Africa's military industrial complex. Al J. Venter. illus Intl Def Rev 4:547-548 Dec '71

Status of ASPR (Armed Services Procurement Regulation) Committee cases (revised as of Sep 29, 1971). Def Ind Bul 8:36-39 Winter '72

Trade groups--action or reaction? Govt Exec 4:12 Feb '72

U.S. monopolies and the war business. I. Yermachenkov. Soviet Mil Rev No. 10:57-58 Oct '72

What price aerospace? LtGen L. C. Craigie, Ret. Ordnance 56:380-382 Mar-Apr '72

INDUSTRY AND RESEARCH

Factories in space. Stanislav Khabarov. Space World I-3-99:31-32 Mar '72

Getting a handle on how technology spins. Interview. Edward David. illus Govt Exec 4:74+ Aug '72

INDUSTRY AND STATE

Changing philosophy in anti-pollution campaign. Samuel Stafford. illus Govt Exec 4:18+ Aug '72

INERTIAL NAVIGATION see Navigation, InertialINFANTRYGreat Britain

The British Infantry of the seventies. Col Norman L. Dodd, Ret. illus Infantry 62:16-22 Jul-Aug '72

Israel

Mechanized Infantry in Israel. Jac Weller. illus Infantry 62:32-38 Sep-Oct '72



INFANTRY - ContinuedRussia

Meeting engagement of a battalion. Col V. Petrukhin. illus Soviet Mil Rev No. 5:15-17 May '72

United States

The dragoon concept. (Mechanized Infantry) Capt Vernon W. Humphrey. illus charts Mil Rev 52:17-25 Jan '72

Ground mobility--past, present and future. Capt David Pearson. illus Infantry 62:20-27 Mar-Apr '72

Infantry on defense: Success can depend on it. Jac Weller. illus Infantry 62:9-15 Nov-Dec '72

Infantry: The heart and soul of a professional Army. Gen Bruce Palmer, Jr. illus Infantry 62:6-11 Mar-Apr '72

The light Infantry is too heavy. Col Richard E. Mack. illus Infantry 62:14-15 May-Jun '72

Operation Desert Trek, a first for USAIS. Capt Philip A. Burkett. illus Infantry 62:12-13 Jul-Aug '72

Planning large-scale combined airmobile operations. Maj Michael J. Morin. illus Infantry 62:19-23 Nov-Dec '72

Preparedness is the key to a good mechanized Infantry force. 2dLt John Merwin. illus Infantry 62:6-9 Jan-Feb '72

Prime tactical lessons of the Vietnam War--three innovations. LtCol John R. Galvin. illus Army 22:16-20 Mar '72

UTTAS (Utility Tactical Transport Aircraft System) to succeed Huey. Richard E. Gile. illus Infantry 62:56-57 Nov-Dec '72

Equipment

Kiss off the Dreadnaught. Maj John Baggett and others. illus Infantry 62:28-30 Jan-Feb '72

Organization

IRUS (Infantry Rifle Unit Study) recommends new rifle platoon/squad for 1970-75. LtCol Robert J. O'Neil. illus charts Infantry 62:22-26 Jan-Feb '72

INFANTRY CENTERS AND SCHOOLSUnited States

Adventure training at the 197th Infantry Brigade (Fort Benning, Ga). Lt Alex Angelle. illus Infantry 62:38-39 Nov-Dec '72

INFILTRATION

Infiltration: Old solution to a new problem. Capt Peter F. Herry. illus Infantry 62:28-30 Jul-Aug '72

INFLIGHT MEAL SERVICE see entry under In-Flight as two words

INFLIGHT REFUELING see entry under In-Flight as two words

INFORMATION EXPLOSION

The communications explosion. (Address, Southeastern Signal Center and School, Fort Gordon, Ga, Dec 1971) BrigGen Harold W. Rice. Signal 26:29-31 Apr '72

INFORMATION EXPLOSION - Continued

Controlling the computer information explosion. Maj Merrell S. Beebe and Lt Anthony Pavone. illus Signal 27:40-41 Oct '72

Salvation in the information age. MajGen Paul R. Stoney. Signal 26:6-11 Mar '72

INFORMATION PROGRAMSAir Force

Communicating with the young. Col William R. Edgar. Ret. illus AF Mag 55:52-55 Oct '72

Information policies and procedures. TIG Brief 24:17 Oct 27 '72

INFORMATION STORAGE AND RETRIEVAL SYSTEMSSee also

Electronic Data Processing Systems  
Management Information Systems  
Microfilm and Microfilm Records

Computer applications of the LITE system. Jack Sieburg. illus tabs AF JAG L Rev 14:14-24 Winter '72

Controlling the computer information explosion. Maj Merrell S. Beebe and Lt Anthony Pavone. illus Signal 27:40-41 Oct '72

LITE developmental efforts and activities. Jack Sieburg. AF JAG L Rev 14:35-37 Winter '72

LITE in review--two aspects. LtCol Rose L. Volino. illus AF JAG L Rev 14:25-34 Winter '72

LITE--Legal Information Thru Electronics. illus tabs AF JAG L Rev 14: entire issue Winter '72

A look in the future of computerized research. Carl S. Mallow, Jr. illus AF JAG L Rev 14:38-52 Winter '72

Marine aircraft maintenance. LtCol Willis E. Wilson. illus MarCor Gaz 56:28-32 Jan '72

Research and technology work unit information system. TIG Brief 24:20 May 5 '72

Salvation in the information age. MajGen Paul R. Stoney. Signal 26:6-11 Mar '72

The use of computers in command, control and information systems. Comdr Alan Sugden. Army Qtr 102:463-467 Jul '72

Use of LITE--a common responsibility. Edward G. Duckworth. illus AF JAG L Rev 14:10-13 Winter '72

The white room. (Super-computer administration) Capt Brian T. Ternamian. illus Airman 16:14-17 Mar '72

INFRARED DETECTORS

Clear air turbulence detection by infrared photography and radiometry. illus Interavia 27:256 Mar '72

In the heat of the night--detecting the enemy (with infrared imagers). S. F. Layman and D. P. Van Derlaske. illus Soldiers 27:36-38 Feb '72

New sensors for airborne reconnaissance. illus Interavia 27:489-493 May '72

Probeye--for fires, crime, etc. illus Govt Exec 4:14 Nov '72

They shoot sick plants. (58th Weather Reconnaissance Sq tracks corn blight) Ed Blair. illus Airman 16:52-55 Feb '72

INLAND NAVIGATION see WaterwaysINSIGNIASee also

Airplanes, Military--Insignia

Air Force--U.S.

Board approves insignia for senior, chief nurses.  
AF Times 32:4 Jul 19 '72

Emblems--purpose, history, and pride. illus USAF  
Instrs J pt 1, Symbolic message. 9:36-38 Fall '71;  
pt 2, 9:36-37 Winter '71-'72; pt 3, 9:36-37  
Spring '72

New insignia for nurses. illus TIG Brief 24:20  
Jul 14 '72

'U.S.' insignia will drop from long-sleeved shirts.  
AF Times 32:25 Mar 15 '72

Army--U.S.

Field artillery organization. illus charts Fld Artil-  
leryman No. 50:50-73 Oct '72

INSPECTIONSee also

Airplanes, Military--Inspection

Air Force

Aircrew certifications. TIG Brief 24:3-4 Sep 15 '72

The base inspector. TIG Brief 24:1-2 Feb 25 '72

Chaplain Inspection Guide. TIG Brief 24:25-29  
Sep 15 '72

Command inspection systems. TIG Brief 24:7-8  
Jun 30 '72

The functional inspection. TIG Brief 24:9 Sep 29 '72

Improved activity inspections. TIG Brief 24:2  
May 5 '72

Inspection duty tours. TIG Brief 24:3 Mar 24 '72

Inspections by the Inspector General. TIG Brief 24:  
7-10 Dec 8 '72

Is your unit ready for inspection? TIG Brief 24:13  
May 19 '72

No-notice radiation protection inspections. TIG Brief  
24:3-4 Feb 11 '72

Nuclear safety standards and safety inspections. TIG  
Brief 24:11-12 Oct 13 '72

ORI. Regular feature in issues of Interceptor

Philosophy of inspection. LtGen Louis L. Wilson, Jr.  
TIG Brief 24:1 Jun 2 '72

Privileged nature of inspection reports. TIG Brief  
24:2 Apr 7 '72

Self inspection and inspection complement each other.  
TIG Brief 24:2 Jan 28 '72

Armed Forces

The DOD-Customs alliance. Michel R. Scott. illus  
Translog 3:6-8 Mar '72

Army

Meeting the maintenance challenge. LtCol Richard M.  
Meyer, tab Infantry 62:52-56 Jul-Aug '72

INSPECTION - ContinuedArmy - Cont'd

Realism in TPI's (Technical Proficiency Inspections).  
MajGen W.A. Enemark. Fld Artilleryman No. 49:  
38-40 Feb '72

Unique aviation safety inspection team travels Viet-  
nam. William W. Johnson. illus USA Avn Dig 18:  
26-27 Feb '72

National Guard--Air Force

IG's advice for commanders. (Address, 94th General  
Conference, NGAUS, San Francisco, Sep 12, 1972)  
LtGen Louis L. Wilson, Jr. AF Pley Ltr for  
Comdrs: Sup No. 12:15-23 Dec '72

INSPECTOR GENERALAir ForceSee also

Air Force Inspection and Safety Center

Headquarters USAF inspector duty--the challenging  
and educational tour. TIG Brief 24:2 Nov 10 '72

Inspection duty tours. TIG Brief 24:3 Mar 24 '72

Inspections by the Inspector General. TIG Brief 24:  
7-10 Dec 8 '72

New USAF Deputy Inspector General. TIG Brief 24:22  
Nov 10 '72

Privileged nature of inspection reports. TIG Brief  
24:2 Apr 7 '72

USAF closes the Lavelle case. AF Mag 55:20 Dec '72

Armed Forces

High commands get watchdogs. AF Times 33:3  
Nov 8 '72

INSTALLATIONSAir Force

Congressional actions as they relate to Air Force in-  
stallations. Maj Garrett W. Palmer. illus AF JAG  
L Rev 14:109-111 Spring '72

SAC moves announced. Ed Gates. AF Times 32:1+  
Mar 15 '72

Army

The Army and the push for public park lands. Lloyd  
Norman. illus map Army 22:12-14 Mar '72

INSTRUCTIONAL MATERIALS CENTERS

What is a learning center? (U.S. Army Aviation  
School's Learning Center, Fort Rucker, Ala)  
Capt Lance Millonzi. illus USA Avn Dig 18:33-35  
Sep '72

INSTRUCTOR PILOTS

The capability-judgment gap. LtCol Victor J. Ferrari,  
Jr. (Reprinted from Aerospace Safety, Nov 1968)  
illus Aerosp Safety 28:9-11 Aug '72

Combat pilots train in Brooks (AFB, Tex) centrifuge.  
AF Times 32:36 Feb 16 '72

Continuous ECG recording of helicopter instructor  
pilots. William P. Schane. illus tabs Aerosp Med  
43:560-563 May '72

Instructor of the young (pilots). Capt Y. Smirnov.  
Soviet Mil Rev No. 4:34-35 Apr '72

INSTRUCTORS see Teachers and Teaching

INSTRUMENT FLYING

AWADS (Adverse Weather Aerial Delivery System). Maj James Alexander. illus USAF TAWC Rev 3:10-14 Apr '72

Air Inter and Air France--crew training for automatic flight. illus tab Interavia 27:63-64 Jan '72

Annual instrument checkrides. CW2 Sammy D. Lanningham. USA Avn Dig 18:18-19 Nov '72

Big instrument. Regular feature in issues of Combat Crew

Chop, drop, and plop. (Non-precision approach) illus tabs MAC Flyer 19:3-7 Aug '72

Cruise clearance. illus MAC Flyer 19:14-15 Mar '72

IFR on pitot-static only? Maj Walter Burkett. (Reprinted from Airscoop, Feb 1970) MAC Flyer 19:10-11 May '72

IMC (Instrument Meteorological Condition)--friend or foe? CW3 John L. Coleman. illus USA Avn Dig 18:54-57 Jan '72

Instrument flight without instruments. Capt Philip G. Carthage. illus USA Avn Dig 18:4-5+ Oct '72

Mandatory instrument flight rule operations. TIG Brief 24:11 Sep 15 '72

Mandatory Instrument Flight Rules (IFR) operations. TIG Brief 24:17 Feb 11 '72

Maximum air operations under IFR. TIG Brief 24:10 Sep 29 '72

The oculogravic illusion. LCDR B.J. Smith. illus Approach 18:38-40 Oct '72

A pair of close ones--inadvertent IFR. illus Approach 18:1-3 Nov '72

Right side up, or upside down? Gene Berta. tabs USA Avn Dig pt 1, 18:32-37 Oct '72; pt 2, 18:30-33 Nov '72; pt 3, 18:30-34 Dec '72

Study and Teaching

The IFC (Instrument Flight Center) approach (formerly IPIS approach). Regular feature in issues of Aerospace Safety

Instrument flight. MajGen A. Karikh. illus Soviet Mil Rev No. 3:23-25 Mar '72

INSTRUMENT LANDING SYSTEMS see Automatic Landing SystemsINSTRUMENTATION

Apollo lunar spacecraft--how it works. The total story of Apollo. illus (Also cutaways) Space World pt 1, I-4-100:4-60 Apr '72; pt 2, I-5-101:4-58 May '72; pt 3, I-6-102:4-59 Jun '72

Computer instrumentation systems--a status report. John L. Minck. illus Elect Warfare 4:6-8+ Summer '72

INSTRUMENTS

See also specific kinds of instruments, e.g.,  
Aeronautical Instruments    Navigation Instruments  
Altimeters                    Sensors  
Compasses                    Telescopes

GTE Sylvania's PSP (Programmable Signal Processor): Fast and flexible signal processing. Harold J. Manley. illus tab Signal 26:12-14 Jan-Feb '72

Observatories exploring reddish planet. G. Petrov and V. Moroz. illus Space World I-5-101:60-64 May '72

INSTRUMENTS - Continued

PMEL (Precision Measurement Equipment Laboratory) at Vandenberg (AFB, Calif) spells accuracy. illus AF Times 32:26 Jan 5 '72

INSURANCE

CHAMPUS alternate proposed. AF Times 33:1+ Aug 16 '72

Health insurance groups approved by House unit. AF Times 33:2 Aug 30 '72

Inexpensive med-care bill killed. Randy Shoemaker. AF Times 33:4 Oct 4 '72

Insurance 'pitch' hit. AF Times 32:13 Apr 26 '72

So you're buying a car. LtCol Steve Urette. illus tabs Soldiers 27:41-44 Jul '72

Tough new regulations hit insurance sales on bases. Randy Shoemaker. AF Times 32:4 Feb 16 '72

INSURANCE, LIFE

Additional NSLI (National Service Life Insurance) offered. AF Times 32:51 Jan 12 '72

Airmar (Frankie L. Williams) wins appeal ruling. AF Times 32:3 Apr 26 '72

Cadets get insurance coverage. AF Times 32:50 Jul 5 '72

Disabled veterans get break on VA insurance. AF Times 33:48 Sep 27 '72

House OKs insurance expansion. AF Times 32:2 May 31 '72

House panel OKs vets' insurance. AF Times 32:22 May 17 '72

How much is enough? illus tab USA Avn Dig 18:28-31 Feb '72

Insurance coverage for Reserves. Armed Forces J 109:13 Jul '72

Insurance 'pitch' hit. AF Times 32:13 Apr 26 '72

Tough new regulations hit insurance sales on bases. Randy Shoemaker. AF Times 32:4 Feb 16 '72

VA pushes new GI insurance plan--up to \$15,000 term for vets. AF Times 32:10 May 10 '72

Who gets your \$ when you die. AF Times 33:42 Nov 22 '72

Your future as a veteran. illus tabs AF Times pt 1, Yes, vets, some do care. Larry Carney. 32:5-6 Oct 13 '71; pt 2, On-duty Transition does help. Bob Schweitz. 32:5-6 Oct 20 '71; pt 3, VA benefits aren't automatic. Bill Drach and Louis Dorsch. 32:42-43 Oct 27 '71; pt 4, GI Bill 'student body' growing. Larry Carney. 32:42-43 Nov 3 '71; pt 5, Vet unemployment dips. Larry Carney. 32:41-42 Nov 10 '71; pt 6, Disability pay confusing. Mel Jones. 32:46-47 Nov 17 '71; pt 7, VA caters to 'new vet.' George Marker. 32:43-44 Nov 24 '71; pt 8, GI home buying gets new life. George Marker. 32:45-46 Dec 1 '71; pt 9, SGLI conversion tips. Bill Kreh. 32:50-51 Dec 8 '71; pt 10, The beneficiary snag. Ruth Chandler. 32:37 Dec 15 '71; pt 11, How 'bout the Reserves. Ed Gates. 32:30-31 Dec 22 '71; pt 12, Dear Congressman. Robert S. Horowitz. 32:29 Dec 29 '71; pt 13, Vet groups fill a void. Tony Hale. 32:31 Jan 5 '72



INSURGENCY

- A change in tactics? The urban insurgent. 1stLt Robert J. Black. illus AU Rev 23:50-58 Jan-Feb '72
- Insurgency in the urban area. Capt Fred R. Crowley. MarCor Gaz 56:55-56 Feb '72
- The New Left in Britain. Maj W.A. Evans. illus Hawk No. 33:45-50 Feb '72
- No more Vietnams? Willard L. Beaulac. illus US Nav Inst Proc 98:18-25 Nov '72
- Some aspects of guerrilla warfare--socio-economic, polwar and psywar. Michael Calvert. illus chart RUSI J for Def Studies 117:20-24 Sep '72
- U.S. development assistance in the insurgency environment: Gulliver's coming out. (Lecture, Naval War College, 1971?) Allan E. Goodman. illus Nav War Col Rev 24:13-23 Feb '72
- Violence as a political weapon. Maurice Latey. illus NATO's Fifteen Nations 16:65-71 Dec '71-Jan '72

History

- Old problem: New setting. (Riots and insurrections) Gen Richard Gale. illus RUSI J for Def Studies 117:43-46 Mar '72

INTEGRATED LOGISTIC SUPPORT

- Barriers to integrated logistics support. Maj Leo Pigaty. illus Army Log 4:38-39 Sep-Oct '72
- Integrated logistics support and organizational relationships. Thomas T. Tierney. illus Log Spectrum 6:5-13 Summer '72
- Maintainability engineering, system engineering, logistics support. Ben S. Blanchard. illus Log Spectrum 6:18-26 Spring '72
- Technical publications--voice of ILS. H. S. Cook, Jr. illus tab chart Log Spectrum 6:9-17 Winter '72

INTELLIGENCEUnited States

- Needed--discipline at the top. Interview. ADM George William Anderson, Jr, Ret. illus Armed Forces J 110:40+ Oct '72
- Paramilitary case study--the Bay of Pigs. (Lecture, Naval War College) Lyman B. Kirkpatrick, Jr. Nav War Col Rev 25:32-42 Nov-Dec '72

INTELLIGENCE (IQ)

- AF leads quality race. tab AF Times 32:1+Jul 26 '72

INTELLIGENCE, MILITARY

- Soviet armor comes to Vietnam--a surprise that needn't have been (after Korea). Bernard F. Halloran. illus Army 22:19-23 Aug '72

United States

- See also  
Defense Intelligence Agency

- AF, Marines planning portable intelligence. AF Times 32:35 Feb 16 '72

- Career aid plan (Palace Sentinel) set in intelligence field. AF Times 33:44 Aug 23 '72

- Commanders and intelligence--the growing gap. BrigGen Robert W. Williams. Army 22:21-24 Dec '72

- Defense intelligence family may have a tough haul ahead. illus Armed Forces J 109:18 Apr '72

INTELLIGENCE, MILITARY - ContinuedUnited States - Cont'd

- Foreign Technology Division: Unlocking the secrets of foreign aerospace technology. SSgt David Kaufmann. illus Contact 26:2-5 May-Jun '72

- How the NMCC (National Military Command Center) works--a winning team. Thomas C. Steinhauser. illus Armed Forces J 109:48-49 May '72

- Intelligence--a new approach. BrigGen Edward F. Gudgel. illus Signal 26:69-70+ Jun '72

- Map overprints: An additional dimension in intelligence. Capt Hinton Crockett. illus Infantry 62:40-41 Jul-Aug '72

- The multi-purpose electromagnetic receiving system. Cecil Byrom. illus tab Elect Warfare 4:7-8+ Winter '72

- QUILT (QUAntitative InteLLigence analysis Technique)--a quantitative approach to determining an enemy's most probable course of action. Maj George D. Livingston, Jr. illus tabs Mil Rev 52:44-53 Jul '72

- Radar intelligence training. TIG Brief 24:10 Mar 10 '72

- Rx the insurgent: Locate, isolate, eradicate. LtCol John C. Gazlay. illus Armor pt 1, 80:38-43 Nov-Dec '71; pt 2, 81:46-52 Jan-Feb '72

- TAC develops new intelligence system. AF Times 32:6 Mar 29 '72

Study and Teaching

- Intelligence instinct can be developed. Maj James B. Channon. illus Infantry 62:28-31 May-Jun '72

INTER-AMERICAN DEFENSE BOARD

- A revitalized MAP for Latin America. Cpl Walter B. Deering. illus Mil Rev 52:69-75 Nov '72

INTERCEPTION OF AIRCRAFT see Airplanes, Military--InterceptionINTERCOMMUNICATIONS SYSTEMS

- The Interdepartment Radio Advisory Committee--fifty years of service in radiocommunication. Col William E. Plummer, Ret. Signal 26:25-27 May '72

INTERCONTINENTAL BALLISTIC MISSILES see MissilesINTERDICTION

- Interdiction at night in adverse weather. LtCol Philip B. Hopkins, Jr. USAF TAWC Qtr Rpt 3:4-9+ Jan '72

- Task Force 77 in action off Vietnam. VADM Malcolm W. Cagle. illus map tab US Nav Inst Proc 98:66-109 May '72

INTERNATIONAL AIR TRANSPORT ASSOCIATION

- IATA fiddles while the problems burn--the 27th A(nnual) G(eneral) M(eeting). illus Interavia 27:82-83 Jan '72

- IATA's 28th Annual General Meeting (London, Sep 25-27, 1972)--the message was "adapt or die." Max Nibloe. illus Interavia 27:1192-1193 Nov '72

- International organisations 2--IATA. Interavia 27:988 Sep '72

# INTERNATIONAL AIR TRANSPORT ASSOCIATION - Continued

1971 scheduled traffic of LATA airlines. Tables only. Interavia 27:932 Sep '72

Pillars of world air transport. (Member airlines of the International Air Transport Association) Tables only. Interavia 27:978-987 Sep '72

# INTERNATIONAL CIVIL AVIATION ORGANIZATION

ICAO and you. Maj James P. Leger. Combat Crew 23:26-27 Jan '72

ICAO: Does its need continue? (Interview with Betty Crites Dillon) Charles D. LaFond. illus Govt Exec 4:63-66 Aug '72

International organisations I--ICAO. Interavia 27:873-874 Aug '72

Is ICAO fully equipped to meet the challenge of modern technology? T. M. B. Wright. Interavia 27:251 Mar '72

# INTERNATIONAL COOPERATION

## See also

Aircraft Industry and Trade--International Aspects  
Aviation, Commercial--International Aspects  
Nuclear Power--International Aspects  
Space--International Aspects

Bien Hoa Air Base: Short on toilet paper but long on teamwork. Benjamin F. Schemmer. illus Armed Forces J 109:15-17 Jun '72

Common purpose--common ship? Comdr Erick Eugene Johnston. illus US Nav Inst Proc 98:25-33 Apr '72

A common transport policy for the European Communities. Horst Seefeld. illus Def Trans J 28:40+ Sep-Oct '72

Defence procurement--a heretical view? Ian Bellany. RUSI J for Def Studies 117:37-39 Mar '72

From choice to determinant: The environmental issue in international relations. LtCol Robert Leider. Forum No. 15:60-68 Spring '72

"Hello, this is Peking." (Communications arrangements for Pres Nixon's trip to China) Edward A. Gallagher and Joseph J. Gancie. illus Signal 26:32-34+ Jun '72

International standardization agreement management. TIG Brief 24:8 Jul 28 '72

JCS's BrigGen George A. Pappas, Jr: "How do we all work together?" illus Govt Exec 4:24 Jan '72

(NASA and USSR Academy of Sciences Joint Working Group on Space Biology and Medicine) Signal 27:52 Nov '72

The newest frontier in communications: The direct broadcast satellite. Capt Kent C. Dugmore. illus AF JAG L Rev 13:259-269 Fall '71

1972, which year in Europe? Colin Gordon. NATO's Fifteen Nations 17:62-64+ Apr-May '72

The seabed arms control issue 1967-1971: A super-power symbiosis? James A. Barry, Jr. Nav War Col Rev 25:87-101 Nov-Dec '72

Strategic implications of the growth of multinational enterprise--an overlooked opportunity for application of the indirect approach. LtCol Richard A. Bowen. map Forum No. 15:18-33 Spring '72

# INTERNATIONAL CORPORATIONS see Corporations, International

# INTERNATIONAL LAW

Forcible self-help in international law. (Research paper, College of Naval Warfare) CAPT James J. McHugh. Nav War Col Rev 25:61-86 Nov-Dec '72

ICAO and you. Maj James P. Leger. Combat Crew 23:26-27 Jan '72

The individual and international law: Some current aspects. (Lecture, Naval War College) Alona E. Evans. illus Nav War Col Rev 24:65-77 Mar '72

International control of deep sea mineral resources. LCDR Wayne J. Smith. illus tabs Nav War Col Rev 24:82-90 Jun '72

International law of the sea: A review of states' offshore claims and competences. L. F. E. Goldie. illus tabs Nav War Col Rev 24:43-66 Feb '72

Law of naval warfare. (Lecture, Naval War College, 1971?) CAPT William O. Miller. illus Nav War Col Rev 24:35-42 Feb '72

Mine warfare and international law. (Lecture, Naval War College) Howard S. Levie. illus Nav War Col Rev 24:27-35 Apr '72

PW's as war criminals. LtCol Joseph B. Kelly. Ret. illus Mil Rev 52:91-96 Jan '72

The seabed arms control issue 1967-1971: A super-power symbiosis? James A. Barry, Jr. Nav War Col Rev 25:87-101 Nov-Dec '72

Yamashita, Nuremberg and Vietnam: Command responsibility reappraised. LtCol Franklin A. Hart. Nav War Col Rev 25:19-36 Sep-Oct '72

# INTERNATIONAL LOGISTICS NEGOTIATIONS see Arms Sales

# INTERNATIONAL ORGANIZATION

Dilemma of the political context. Derek Heater. Royal Air Forces Qtr 12:109-112 Summer '72

# INTERNATIONAL POLITICS

Contemporary foreign policy in historical perspective. (Address, Naval War College) Joseph C. Harsch. Nav War Col Rev 25:10-19 Nov-Dec '72

Current strategic theories. (Lecture, Naval War College) LCDR Benjamin M. Simpson III. illus Nav War Col Rev 24:76-85 May '72

The future course of world politics, 1972-1987. LCDRs Joseph C. Strasser and Richard H. Wytttenbach. illus Nav War Col Rev 24:16-36 May '72

A glance at the future. Gen Walter Walker. Mil Rev 52:21-30 Sep '72

Imperialism--enemy of social progress. L. Vidyasova. Soviet Mil Rev No. 4:46-48 Apr '72

The importance of merchant shipping to the Atlantic community. VAdm J. B. M. J. Maas. illus tabs NATO's Fifteen Nations 17:76-80 Feb-Mar '72

National defense and national priorities. (Excerpts from study by the same name, prepared by the Council on Trends and Perspective of the Chamber of Commerce of the U. S.) tabs Signal 26:14-21 Apr '72; Excerpts from Chapter 3. Mil Rev 52:68-79 May '72



INTERNATIONAL POLITICS - Continued

Reflections on American-Soviet relations. W. Averell Harriman. Persp in Def Mgt, pp 11-17, Winter '71-'72

U.S. development assistance in the insurgency environment: Gulliver's coming out. (Lecture, Naval War College, 1971?) Allan E. Goodman. illus Nav War Col Rev 24:13-23 Feb '72

INTERNATIONAL RELATIONS

See also subdivision Foreign Relations under names of countries

Aspects of Asian security. WgComdr Maharaj K. Chopra, Ret. map illus Mil Rev 52:42-51 Nov '72

Australasia's changing world. Brig F. W. Speed. Army Qtr 102:291-297 Apr '72

The complex problems of the southern NATO flank. Maj E. Hinterhoff. illus NATO's Fifteen Nations 17:32-39 Apr-May '72

Contemporary foreign policy in historical perspective. (Address, Naval War College) Joseph C. Harsch. Nav War Col Rev 25:10-19 Nov-Dec '72

Crisis management--a vocation for the Armed Forces. Dennis Chaplin. Army Qtr 102:303-319 Apr '72

Economic readiness. (Remarks, 54th Annual Meeting, American Ordnance Assoc, Washington, May 11, 1972) Eugene T. Rossides. Ordnance 57:32-35 Jul-Aug '72

European security--a United States view. Robert Ellsworth. illus Royal United Svcs Inst for Def Studies J 116:5-12 Dec '71

Firm security for Europe. MajGen S. Kozlov. Soviet Mil Rev No. 5:51-52 May '72

From choice to determinant: The environmental issue in international relations. LtCol Robert Leider. Forum No. 15:60-68 Spring '72

National defense and national priorities. (Excerpts from study by the same name, prepared by the Council on Trends and Perspective of the Chamber of Commerce of the U. S. ) tabs Signal 26:14-21 Apr '72; Excerpts from Chapter 3. Mil Rev 52: 68-79 May '72

The nature of national power. Karl W. Deutsch. Forum No. 16:1-13 Fall '72

PSYOP: What is it? And what should we do about it? Raymond J. Barrett. illus Mil Rev 52:57-72 Mar '72

The strategic implications of international monetary reform. Thomas W. M. Smith. tab Forum No. 16: 26-48 Fall '72

The strategy of resolve. David K. Pansius. AU Rev 23:66-73 Sep-Oct '72

Trench Gascoigne Prize Essay; "What is good for General Motors..." Colin S. Gray. illus tab RUSI J for Def Studies 117:36-37+ Jun '72

Violence as a political weapon. Maurice Latey. illus NATO's Fifteen Nations 16:65-71 Dec '71-Jan '72

INTERNATIONAL TELECOMMUNICATIONS SATELLITE CONSORTIUM

The newest frontier in communications: The direct broadcast satellite. Capt Kent C. Dugmore. illus AF JAG L Rev 13:259-269 Fall '71

INTERPLANETARY FLIGHT see Space Flight

also spaceflights to specific planets, e. g.,  
Space Flight to Jupiter      Space Flight to the Moon  
Space Flight to Mars      Space Flight to Venus  
Space Flight to Saturn

INTERROGATION

International interrogation techniques. Cyril Cunningham. RUSI J for Def Studies 117:31-34 Sep '72

Questions facing the Code of Conduct. LtCol Charles E. Marean. illus MarCor Gaz 56:36-43 Jul '72

INTERSERVICE COOPERATION

Friendly bandits at six o'clock. (Air Combat Training, a joint AF-Navy program) Capt Don D. Carson. illus Airman 16:33-34 Jan '72

JCS's BrigGen George A. Pappas, Jr: "How do we all work together?" illus Govt Exec 4:24 Jan '72

Joint police unit 'patrols' NY. AF Times 32:54 Jun 7 '72

Joint tactical communications program. (Address, AFCEA, Washington, June 7, 1972) BrigGen Charles E. Williams, Jr. illus Signal 27:22-24 Sep '72

Mutual support. illus Natl Guardsman 26:2-9 Feb '72

Pacific Command urged to consolidate support. AF Times 32:51 Jun 7 '72

Supporting moon missions is routine for men of (U.S. Army) Cape Kennedy Outport. Frank K. Costa. illus Translog 3:22-24 May '72

INTERSERVICE RIVALRY

Air Force may share Navy sea control mission (Melvin R. Laird's 3d annual Dept of Defense report to Congress). L. Edgar Prina. illus Sea Power

CAS: The hardware and the mission. Claude Witze. illus AF Mag 55:17-18+ May '72

Interservice cross-talk. TIG Brief 24:17 Sep 1 '72

Packard blasts leaders (before a meeting of the National Security Industrial Association). Bob Schweitz. AF Times 32:2 Mar 22 '72

Senate favors competition for close air support systems. AF Times 32:46 Aug 2 '72

Services swap brags about women's lib--but are they sincere? George Foster. AF Times 33:13 Aug 30 '72

INTERSTATE COMMERCE COMMISSION

Regulating transportation in the future. George M. Stafford. Def Trans J 28:28+ Nov-Dec '72

INTERVENTION

Forcible self-help in international law. (Research paper, College of Naval Warfare) CAPT James J. McHugh. Nav War Col Rev 25:61-86 Nov-Dec '72

Task Force 77 in action off Vietnam. VADM Malcolm W. Cagle. illus map tab US Nav Inst Proc 98:66-109 May '72

IONOSPHERE see Atmosphere, UpperIRAN

Land of the dogs. (Project Peace Ruby in Iran) illus Airman 16:2-4 Oct '72



IRAN - ContinuedPolitics and Government

The bear on the roof--Soviet power encircles Persian Gulf. Lawrence Griswold. illus map Sea Power 15:20-25 Jun '72

Strategic Importance

The view from Iran. LtCol Mason P. Rumney, Ret. illus map Mil Rev 52:68-74 Jan '72

IRELAND

Commitment on the doorstep (British Army in Northern Ireland). Editorial. Army Qtr 102:1-5 Oct '71

Impressions from Ulster. Colin Beer. Army Qtr 102:365-369 Apr '72

Northern Ireland: A question of identity. Stephen Garvin. illus RUSI J for Def Studies 117:40-42 Mar '72

Old problem: New setting. (Riots and insurrections) Gen Richard Gale. illus RUSI J for Def Studies 117:43-46 Mar '72

Op Huntsman. (Account of a Londonderry operation which closely followed the introduction of internment in Northern Ireland in Aug 1971) maps RUSI J for Def Studies 117:25-30 Sep '72

Uroan guerrilla warfare and the IRA. Richard Middleton. illus Royal United Svcs Inst for Def Studies J 116:72-75 Dec '71

Violence as a political weapon. Maurice Latey. illus NATO's Fifteen Nations 16:65-71 Dec '71-Jan '72

Politics and Government

Britain's mini-war in Northern Ireland. John Marriott. Armed Forces J 109:23-24 Feb '72

Government & the Armed Forces with some reflections on Northern Ireland. WgComdr Roger F. Pemberton. Royal Air Forces Qtr 11:287-290 Winter '71

IRRADIATION see RadiationISELIN, Donald G.

Architect/engineers and military construction. (Army, Navy and Air Force construction programs) (Adapted from papers, Architect/Engineer Conference on Federal Agency Construction Programs, St Louis, Nov 30, 1971) MajGen D. A. Raymond, RADM D. G. Iselin and MajGen M. R. Reilly. illus Mil Engr 64:166-169 May-Jun '72

ISOLATIONSee alsoRemote-Isolated Duty

Effect of a 30-day isolation stress on calcium, phosphorus and other excretory products in an unrestrained chimpanzee. (Stresses that might occur during prolonged orbital flight) I. M. Sabbot and others. illus tabs Aerosp Med 43:142-148 Feb '72

Electrophysiological changes in humans during perceptual isolation. E. A. Serafetinides and others. tab Aerosp Med 43:432-434 Apr '72

Micturition patterns of an unrestrained chimpanzee under entrained and free running conditions. (Stresses that might occur during prolonged orbital flight) T. Hoshizaki and others. illus Aerosp Med 43:149-154 Feb '72

Sleep-wake cycle of an unrestrained isolated chimpanzee under entrained and free running conditions. (Stresses that might occur during prolonged orbital flight) J. J. McNew and others. illus tabs Aerosp Med 43:155-161 Feb '72

ISRAELEconomic Conditions

The financial impact of the six-day war on the economy of Israel. Rena Gutman. illus tabs Armed Forces Compt 17:4-9+ Winter '72

Foreign RelationsArab States

Watch on the Suez. William Beecher. illus tab Army pt 1, Egypt's noisy silent partner. 21:10-13 Nov '71; pt 2, Israel weighs the options. 21:28-32 Dec '71; pt 3, Jordan: On the razor's edge. 22: 41-44 Jan '72

History

Escalation or detente in the Middle East. LtCol James B. Peabody. illus tab Mil Rev 52:35-49 Apr '72

JUMPS see Joint Uniform Military Pay System

JACKSON, Alexander, Jr

Pending retirement legislation in a capsule. RADM Alexander Jackson, Jr. Officer 48:7 Jun '72

Recomp amendment raising to '72 pay scale passes Senate. RADM Alexander Jackson, Jr. illus Officer 48:6-7 Sep '72

JAMES, Daniel, Jr

A challenge to create change. (Remarks, National Convention of the National Assoc of Secondary School Principals, Anaheim, Calif, March 18, 1972) BrigGen Daniel James, Jr. AF Ploy Ltr for Comdrs: Sup No. 6:17-22 Jun '72

Rapping with Chappie. Interview. BrigGen Daniel James, Jr. por AU Rev 23:12-21 Jul-Aug '72

JAPAN

Japan: A military "papier-mâché tiger." LtGen Masatake Okumiya, Ret. US Nav Inst Proc 98: 84-86 Nov '72

Power in search of purpose. (Japan's future role in the balance of power) Terrell E.S. Arnold. Forum No. 13:70-91 Fall '71

Will Japan go nuclear? Niu Sien-Chong. Ordnance 56:292-294 Jan-Feb '72

Economic Conditions

Japan and U.S. security. Robert E. Ward. Persp in Def Mgt, pp 19-28, Winter '71-'72

Foreign Policy

Japan's Taiwan dilemma. Joseph Z. Reday. illus US Nav Inst Proc 98:49-53 Mar '72

Power in search of purpose. (Japan's future role in the balance of power) Terrell E.S. Arnold. Forum No. 13:70-91 Fall '71

Foreign Relations

China

The lessons of an undeclared war. LtGen Masatake Okumiya, Ret. illus tab US Nav Inst Proc 98: 25-31 Dec '72

China (Republic)

Japan's Taiwan dilemma. Joseph Z. Reday. illus US Nav Inst Proc 98:49-53 Mar '72

Indonesia

Indonesia's Archipelago Doctrine and Japan's jugular. CAPT Richard A. Miller. illus map tabs US Nav Inst Proc 98:26-33 Oct '72

Korea

Japan's view of Korea. Maj H.E. McCracken, Jr. illus maps US Nav Inst Proc 98:41-47 Feb '72

Micronesia

Turmoil in paradise: Micronesia at the crossroads. Capt James H. Webb. illus map US Nav Inst Proc 98:26-37 Jul '72

United States

Okinawa: Ingredients of a decision. Francis X. Ready. Forum No. 14:78-100 Winter '71

Okinawa reversion: A study in change. LtGen Gordon M. Graham. illus AU Rev 24:34-41 Nov-Dec '72

JAPAN - Continued

Foreign Relations - Cont'd

United States - Cont'd

Power in search of purpose. (Japan's future role in the balance of power) Terrell E.S. Arnold. Forum No. 13:70-91 Fall '71

History

Japan's view of Korea. Maj H.E. McCracken, Jr. illus maps US Nav Inst Proc 98:41-47 Feb '72

Strategic Importance

East is no longer least. LtCol William V. Kennedy. illus Mil Rev 52:52-56 Mar '72

JASKILKA, Samuel

Command and Staff College today. BrigGen Samuel Jaskilka. por MarCor Gaz 56:25-30 Jun '72

JET ENGINES

See also

Gas Turbines (Aircraft)

New power proposal for Lockheed JetStar. J. Philip Geddes. illus (Also cutaway) tabs Interavia 27: 1094-1095 Oct '72

The Olympus 593 Mk 602 engine. illus Interavia 27: 835-836 Aug '72

Pratt & Whitney working on JT9D (engine) growth. tab illus (Also cutaway) Interavia 27:767 Jul '72

The RB.211 affair--continued. Interavia 27:216 Mar '72

The resurrection of Rolls-Royce. illus tab Interavia 27:946-948 Sep '72

Some limitations of the interstellar ramjet. Anthony R. Martin. illus tabs Spaceflight 14:21-25 Jan '72

Variable pitch fans. D. G. M. Davis. illus Interavia 27:241-243 Mar '72

Characteristics

Jane's All the World's Aircraft Supplement. Regular feature in issues of Aerospace International; some issues of Air Force Magazine

JOHN F. KENNEDY SPACE CENTER

Apollo/Saturn 5 safety. David Dooling, Jr. illus Spaceflight 14:375-376 Oct '72

The BIS at Cape Kennedy. illus map tab Spaceflight pt 1, 14:40 Jan '72; pt 2, 14:45-49 Feb '72

(The future of Cape Kennedy) (Interview with Miles Ross) Walter Froehlich. Spaceflight 14:110 Mar '72

Return to the Cape; an account of the excursion by BIS members to see the launch of Apollo 16. Max Wholey. illus Spaceflight 14:335-341 Sep '72

JOHNSON, Gerald W.

8th AF--'pioneer'--Pacific unit marks 30 years. por AF Times 32:25 Feb 16 '72

Airpower halts an invasion. (Based on interviews with Gens F.C. Weyand, L.D. Clay, Jr, G.W. Johnson, J.R. McGiffert and J.W. Vogt, Jr) Edgar Ulsamer. por AF Mag 55:60-68+ Sep '72

JOHNSON, Harold R.

Progress and potential of the AUTODIN system.  
(Address, AFCEA, Washington, June 8, 1972)  
BrigGen Harold R. Johnson, Ret. illus Signal 26:  
56-59 Jul-Aug '72

What's happening in teleprocessing systems? BrigGen  
Harold R. Johnson, Ret. illus Signal 26:21-24+  
Jan-Feb '72

JOHNSON, James E.

James E. Johnson in profile: A friend a day. Heather  
M. David. illus Sea Power 15:36-37 Apr '72

JOINT CHIEFS OF STAFF

Airmen with silver stripes. (JCS's Military Security  
Force) Sgt Dave Cole. illus Airman 16:34  
Aug '72

The decline and fall of the Joint Chiefs of Staff.  
(Research paper, College of Naval Command and  
Staff, 1971) LtCol William A. Hamilton III. illus  
Nav War Col Rev 24:36-58 Apr '72

(Gen Robert) Cushman adds new dimension to JCS,  
Assistant CMC next pick. Brooke Nihart. illus  
Armed Forces J 109:14+ Jan '72

The view from the tank: Interviews with the Joint  
Chiefs. illus Armed Forces J 109:36-44 Jan '72

JOINT OPERATIONS

This term applies to operations of one country only.  
For information on operations of two or more allied  
countries see Combined Operations.

See also specific exercises and/or operations  
by name

Alaskan 'enemy' beaten (in Exercise Ace Card V).  
AF Times 33:45 Dec 27 '72

Army studies replacement of entire obsolete marine  
fleet. illus Armed Forces J 110:15+ Dec '72

Exercises Brave Shield, North Forty 1 and Deep  
Furrow. illus Air Reservist 24:8-10 Mar '72

Guard conducts 'one Army' tests. AF Times 33:44  
Aug 16 '72

Mutual support. illus Natl Guardsman 26:2-9 Feb '72

OSDOC (OffShore Discharge Of Container ships) II.  
illus Translog 3:8-10+ Oct '72

Operation Deep Freeze. Capt Glenn R. Barnett. illus  
Navigator 19, No. 1:2-4 '72

"Summertime... and the living is easy." (ANG and  
USAFR summer training tours) illus Air Reservist  
24:3-11 Oct '72

Tactical Empire State (NY ANG). illus Air Reservist  
24:4-5 Apr '72

Training for the test (to determine practicality of  
various approaches to boosting combat-readiness  
of the whole force--Active, Guard and Reserve).  
illus Natl Guardsman 26:2-8+ Jun '72

JOINT STRATEGIC TARGET PLANNING STAFF

The Single Integrated Operational Plan (SIOP). Capt  
Mark D. Mariska. illus Mil Rev 52:32-39 Mar '72

JOINT UNIFORM MILITARY PAY SYSTEM

Commander's responsibility for leave administration.  
TIG Brief 24:17 Dec 22 '72

Denver computer assumes Bergstrom (AFB, Tex ),  
Clark (AB, Philippines) payrolls. George Foster.  
AF Times 33:3 Dec 20 '72

JOINT UNIFORM MILITARY PAY SYSTEM - Continued

Leave accounting system. TIG Brief 24:20 Mar 24 '72

Leave accounting system--self evaluation check list  
for JUMPS interim leave accounting. TIG Brief  
24:15-16 Dec 22 '72

JONES, David C.

USAFE--American air shield for Europe. por AF  
Mag 55:63-67 May '72

JORDAN

Watch on the Suez. William Beecher. illus tab Army  
pt 1, Egypt's noisy silent partner. 21:10-13  
Nov '71; pt 2, Israel weighs the options. 21:28-32  
Dec '71; pt 3, Jordan: On the razor's edge. 22:  
41-44 Jan '72

JUDGE ADVOCATE GENERALAir Force

Attorneys offered JAG duty. AF Times 32:4 Jun 7 '72

JAG courses still open. AF Times 32:20 Jan 12 '72

JAG head (MajGen James S. Cheney) orders reduced  
pre-trial confinement use. AF Times 32:3  
May 17 '72

LITE--Legal Information Thru Electronics. illus  
tabs AF JAG L Rev 14: entire issue Winter '72

Lawyers to serve as 'circuit riders'--as judges and  
counsel. AF Times 33:3 Aug 9 '72

"Legal Information Thru Electronics" (LITE) library.  
TIG Brief 24:8 May 19 '72

Pilot legal program aids 276 'hardship' cases. AF  
Times 32:23 Mar 15 '72

SAMSO lawyers take lead in aiding POW-MIA  
families. AF Times 33:32 Oct 18 '72

2,475 AFers given courts-martial in '71. AF Times  
32:4 Mar 15 '72

Young JAG officers due o'sea duty. AF Times 32:3  
Jul 5 '72

JUNGLE WARFAREStudy and Teaching

Today's Tarzans. (Jungle Operations Training Center,  
Fort Sherman, CZ) SGM H. S. Effron. illus Soldiers  
27:22-26 Oct '72

JUPITER (PLANET)See also

Space Flight to Jupiter

Exobiology, Jupiter and life. P. M. Molton. illus  
Spaceflight 14:220-223 Jun '72

Jupiter: A physico-mathematical study. Oleg Borisov.  
Spaceflight I-9-105:42-43 Sep '72

Missions to Jupiter. Anthony R. Martin. illus Space-  
flight pt 1, 14:294-299 Aug '72; pt 2, 14:325-332  
Sep '72

Pioneer F mission to Jupiter. Space World I-7-103:  
38-39 Jul '72

Pioneers to Jupiter. David Baker. illus tabs Space-  
flight 14:111-117 Mar '72

JUSKO, Michael R., Jr

Motivation in the classroom. Maj Michael R. Jusko.  
illus USAF Instrs J 9:30-35 Spring '72



KELLEY, Roger T.

- Defense memo seeks equality for women. AF Times 32:3 Jun 21 '72
- Manpower and defense: How much is enough? How much is good enough? Interview. Roger T. Kelley. por Govt Exec 4:79-80+ Apr '72
- Manpower chief raps military 'try-out' plan. AF Times 32:20 Mar 1 '72
- Why have an all-volunteer force? (Address, Rotary Club, Philadelphia, Dec 1, 1971) Roger T. Kelley. AF Plcy Ltr for Comdrs: Sup No. 3:2-6 Mar '72

KENNEDY, Edward M.

- DOD, veterans rebuff Kennedy on amnesty. Armed Forces J 109:12-13 Apr '72
- Refugees: Is humanitarianism possible? illus Govt Exec 4:22-23 Apr '72

KERWIN, Walter T., Jr

- The focus in 1972 is on people. LtGen Walter T. Kerwin, Jr. por Army 22:89-93 Oct '72

KIDD, Isaac C., Jr

- New helmsman (VADM Isaac C. Kidd) on a stormy sea: Naval Material Command. Scot MacDonald. Govt Exec 4:68+ Apr '72
- View from the bridge of the Sixth Fleet flagship. ADM Isaac C. Kidd, Jr. illus map US Nav Inst Proc 98:18-29 Feb '72

KIDD, John B.

- Education and training unlimited. Interview. MajGen John B. Kidd. por Airman 16:16-20 Jul '72

KILLPACK, Larry M.

- AFAFC--USAF's payoff command. por AF Mag 55: 130-131 May '72
- Air Force Accounting and Finance Center: "Service (and \$\$\$) to the customer." illus Contact 26:1-4 Jul-Aug '72
- Meet BrigGen Larry M. Killpack. por AF Compt 6:12 Jan '72

KING, Thomas H.

- AFCEA Chapter Man of the Month. por Signal 26:42 Mar '72

KISLING, Richard D.

- The GI's man in Washington. Interview. CMSAF Richard D. Kisling. por AF Mag 55:52-55 Jan '72; Airman 16:23-26 May '72
- Kisling urges 'honesty' in rating of noncoms (at Career Motivation Conference, Maxwell AFB, Ala). AF Times 32:41 Jun 28 '72

KISSINGER, Harold A.

- Digitization--the breakthrough in tactical communications. (Address, AFCEA, Washington, June 8, 1972) MajGen Harold A. Kissinger. illus Signal 26: 51-53 Jul-Aug '72

KNERR, Hugh J.

- Some recollections of Major General Hugh Johnston Knerr (1887-1971). Murray Green. biog Aerosp Hist 19:25-26 Mar '72
- Washington to Alaska and back: Memories of the 1934 U.S. Air Corps test flight (in Martin B-10's). MajGen Hugh J. Knerr. por Aerosp Hist 19:20-24 Mar '72

KNOWLES, Richard T.

- Now is the time (for all concerned Americans to study what is happening to the balance of power and what threat exists to the possibility of peace and the preservation of freedom). LtGen Richard T. Knowles. Ordnance 57:120-123 Sep-Oct '72

KOREA

- Spoonbill Bridge, Korea. Capt Robert D. Anderson. illus Mil Engr 64:242-244 Jul-Aug '72

History

- Japan's view of Korea. Maj H.E. McCracken, Jr. illus maps US Nav Inst Proc 98:41-47 Feb '72

Military Occupation, Allied

- In Korea, quiet but watchful vigilance. Gen John H. Michaelis. illus Army 22:67-72 Oct '72

KOREA (REPUBLIC)

- Military construction in Korea. CDR William D. Middleton. illus Mil Engr 64:30-32 Jan-Feb '72

KOREAN WAR, 1950-1953

- Foreign policy stereotypes: The decision to cross the 38th Parallel. Michael A. Krasner. illus Mil Rev 52:17-26 Oct '72

Aerial Operations, American

- We fly MIG alley. Capt James Jabara. (Reprinted from Air Force, June 1951) illus AF Mag 55: 108-112 Sep '72

Campaigns and Battles

- Inchon landing. (Marine Corps amphibious attack on North Korea) B.F. Halloran. illus MarCor Gaz 56: 25-32 Sep '72

Personal Narratives

- We fly MIG alley. Capt James Jabara. (Reprinted from Air Force, June 1951) illus AF Mag 55: 108-112 Sep '72

Prisoners of War

- The lessons of Koje-do. MajGen Haydon L. Boatner. illus Army 22:34-37 Mar '72

KORNET, Fred, Jr

- Developing the heavy lift helicopter--an improved logistics helicopter within a decade? illus tab Army Log 4:4-8 Jul-Aug '72

LEAA see Law Enforcement Assistance Administration LAIRD, Melvin R. - Continued

# LABOR-MANAGEMENT RELATIONS

## Great Britain

Letter from London: Puzzled Britain peers anxiously into the future--domestic problems dwarf foreign activities. NATO's Fifteen Nations 17:12-14 Aug-Sep '72

## United States

GM inks Reserve pact. Ed Gates. AF Times 33:1+ Dec 27 '72

Labor-management negotiations (between management and unions representing AF civilian employees). TIG Brief 24:4 Nov 10 '72

Steelworkers union and industry join hands to improve productivity--economic stability important factor. I. W. Abel. illus Def Mgt J 8:21-24 Oct '72

LABOR SUPPLY see Manpower

# LABORATORIES

See also laboratories by name, e. g., Naval Research Laboratory

Air Force health labs. LtCol Donald D. Higgins and Capt Andrew T. Hayden. illus AF Civil Engr 13:16-17 May '72

Feeding the military man (mission of Natick Laboratories). Edward E. Anderson. illus Army Log 4: 8-11+ Mar-Apr '72

PMEL (Precision Measurement Equipment Laboratory) at Vandenberg (AFB, Calif) spells accuracy. illus AF Times 32:26 Jan 5 '72

R&D laboratories make progress despite regulations, risk and embarrassment. Bernard Smith. illus Def Mgt J 8:29-33+ Jul '72

Thoroughly modern management. Richard Boyle. illus US Nav Inst Proc 98:34-40 Oct '72

Traceability and Precision Measurement Equipment (PME). TIG Brief 24:15-16 Feb 11 '72

## LaHUE, Foster C.

Marines' MajGen Foster C. LaHue: "... Returned to our traditional role." por Govt Exec 4:15 Feb '72

## LAIRD, Melvin R.

Air Force may share Navy sea control mission (Melvin R. Laird's 3d annual Dept of Defense report to Congress). L. Edgar Prina. por Sea Power 15:34-36 Mar '72

DOD magazine empire: Laird wants to know--how big is it? Elaine E. Robertson. Armed Forces J 109:13 May '72

DOD policy on domestic action. (Remarks, Domestic Action Council, Washington, Dec 14, 1971) Melvin R. Laird. AF Pley Ltr for Comdrs: Sup No. 3:13-15 Mar '72

The Defense debate: 1972. (Sen McGovern vs Melvin Laird) por Natl Guardsman 26:10-14 Aug-Sep '72

Defense Secretary Melvin Laird: Reordered priorities and fenced-in planning. Interview. por Govt Exec 4:50-52 Apr '72

Distaff pilots? Why not, Laird asks. AF Times 32:3 Apr 12 '72

FY 73: Realistic deterrence comes into its own. James D. Hessman. illus Armed Forces J 109:32-33 Feb '72

The foundation of a strategy for peace: Realistic deterrence. (Excerpts from Defense Posture Statement) Melvin R. Laird. illus Def Mgt J 8:32-39 Apr '72

Laird can't find savings in the McGovern budget. AF Times 32:3 Jul 19 '72

McGovern cuts analyzed--Laird makes study. AF Times 32:22 Jul 26 '72

National security strategy of realistic deterrence. (Address, Assoc of Old Crows Annual Convention, Washington, Oct 13, 1971) Melvin R. Laird. Elect Warfare 4:4-5 Winter '72

National security strategy of realistic deterrence. (Summary of statement before House Armed Services Committee on the FY 1973 Defense budget and FY 1973-1977 program, Feb 15, 1972) Melvin R. Laird. AF Pley Ltr for Comdrs: Sup No. 5:14-26 May '72

The Posture parade marches again. Claude Witze. por AF Mag 55:11-14 Apr '72

Presidential (Inter-Agency Economic Adjustment) Committee eases community adjustment when defense dollars disappear--federal resources match problem area. Melvin R. Laird. Def Mgt J 8:66-70 Oct '72

Revitalizing Reserves. (Excerpts from Defense Posture Statement) Melvin Laird. illus Officer 48:10-11 Apr '72

SecDef's Defense report: 'A fully developed strategy of realistic deterrence.' Brooke Nihart. Armed Forces J 109:54 Mar '72

Senators eye McGovern (proposed DOD) cuts. Robert S. Horowitz. AF Times 32:8 Jun 21 '72

Value and cost of the Reserves: Laird-Nixon policy. Editorial. illus Officer pt 1, 47:6 Nov '71; pt 2, 47:6+ Dec '71; pt 3, 48:6-7 Jan '72

"Well equipped... Guard and Reserve most economical part of... defense." (Excerpts from report to the President and Congress) Melvin R. Laird. illus Officer 48:24+ Dec '72

What is "the realistic deterrence strategy?" (Address, Young Executives Seminar, Houston, Tex, May 12, 1972) Melvin R. Laird. AF Pley Ltr for Comdrs: Sup No. 8:30-31 Aug '72

## LAND BRIDGE see Railroads

## LAND WARFARE

Minor tactics--its importance in modern warfare. Brig C. N. Barclay, Ret. (Reprinted from Revue Militaire Générale, Jan 1972) illus Mil Rev 52:61-69 Jun '72

## LANDING CRAFT

ACV (Air Cushion Vehicle) model experiments. Karl L. Kirkman. illus Mil Engr 64:413-415 Nov-Dec '72

## LANDING GEAR see Airplanes, Military--Landing Gear

## LANDING OPERATIONS see Amphibious Operations

## LANDS, PUBLIC see Property, Government

LANG, Clarence J.

MTMTS procurement activities. MajGen Clarence J. Lang. por Def Trans J 28:33-37 Jan-Feb '72

Mobility planning is everybody's business. MajGen Clarence J. Lang. por Def Trans J 28:32-35 Sep-Oct '72

LANG, John A., Jr

(MajGen John A.) Lang gets Tar Heel Defense post. Ed Gates. AF Times 32:4 May 10 '72

LANGUAGE AND LANGUAGESTranslating and Interpreting

Computer seen coding language for translation. AIC Jerry W. Crowe. AF Times 33:40 Dec 6 '72

The problems with words. Capt Jimmie L. Coombes. USAF Instrs J 9:66-68 Spring '72

LANSDALE, Edward G.

The opposite number. MajGen Edward G. Lansdale, Ret. illus AU Rev 23:22-32 Jul-Aug '72

LAOS

The road to Laos. LtCol Richard M. Meyer. illus maps Armor 81:18-26 Mar-Apr '72

LASERS

(ALQLOY II--an alloy poly-crystal material) Signal 27:60 Dec '72

Apollo 16. illus Space World I-7-103:4-12 Jul '72

'Blow in fust.' Fraser Scott. illus RUSI J for Def Studies 117:44-47 Sep '72

Controlled thermonuclear fusion for space propulsion David Dooling, Jr. illus tab Spaceflight 14:26-27 Jan '72

The evolution of revolutionary laser weapons. Forrest M. Mims III. illus AF Mag 55:54-58 Jun '72

Flash lamps for lasers. Anne Melson Stommel. Signal 26:32-33 Mar '72

Impact of technology trends on future communication and information handling systems. (Address, AFCEA, Washington, June 6, 1972) Carmen Palermo. illus Signal 26:39-40 Jul-Aug '72

Interstellar beacons. John W. Macvey. illus Space-flight 14:14-16+ Jan '72

It's Pave Nail, and that's a FAC. Maj Keith J. Nance and Capt Roger B. Dunn. illus USAF TAWC Rev 3:10-13 Aug '72

(Laser-doppler clear air turbulence detection system) Signal 27:51 Dec '72

Laser guidance systems pass in tests at Redstone Arsenal. illus Army 22:55 Feb '72

Laser principles and applications. Capt Nelson E. Cobleigh. illus USAF Ftr Wpns Rev No. 4:23-25 Winter '71

(Laser system for land surveying) Signal 26:132 Jan-Feb '72

(New holographic technique) Signal 26:122+ Jan-Feb '72

The smart bomb. (Paveway I, laser-guided bomb system) Maj Don Wylie. illus Airman 16:22 Oct '72

LASERS - Continued

Status report on laser weapons. Interview. John S. Foster, Jr. illus AF Mag 55:62-63 Jan '72

(Sunlight-powered laser) Signal 26:60 May '72

History

The evolution of revolutionary laser weapons. Forrest M. Mims III. illus AF Mag 55:54-58 Jun '72

Safety Measures

Responsibility for laser safety. TIG Brief 24:2 Mar 10 '72

LATIN AMERICAForeign RelationsRussia

Soviet policy in Latin America. Maj Michael A. Nelson. AU Rev 24:26-33 Nov-Dec '72

LAVELLE, John D.

Abrams' OK hinges on Lavelle probe (and other star actions announced). AF Times 32:4 Jul 12 '72

Are there unauthorized conclusions? (Gen Lavelle affair) Claude Witze. por AF Mag 55:11-12 Aug '72

Charges by (Sgt Lonnie D.) Franks against Lavelle fail. AF Times 33:11 Dec 6 '72

Charges dropped against (MajGen) Lavelle. AF Times 33:3 Nov 8 '72

(Gen John D.) Lavelle loses rank--retires as three star (and other stars are reassigned). AF Times 32:3 May 17 '72

House probes (Gen John D.) Lavelle affair. por AF Times 32:8 May 31 '72

House unit probes Lavelle retirement (and other general officer activity is announced). AF Times 32:10 Jun 7 '72

The Lavelle affair hearings delay 2 confirmations (Gen Creighton Abrams, ADM John D. McCain, Jr). AF Times 33:4 Sep 6 '72

Lavelle and disability. Ed Gates. tab AF Times 33:13 Oct 25 '72

Lavelle informer (Sgt Lonnie D. Franks) due for promotion. AF Times 33:3 Sep 27 '72

Lieutenant (Delbert R. Terrill, Jr) demands Lavelle discipline. Ed Gates. AF Times 32:2 Jul 5 '72

New Seventh Air Force commander. (Gen John W. Vogt, Jr; Gen John D. Lavelle retires) por AF Mag 55:32 May '72

Ryan, Lavelle tell details of firing--questions remain. AF Times 32:3 Jun 28 '72

Soldier or Strangelove? (Lavelle affair) Claude Witze. AF Mag 55:20-22 Nov '72

USAF closes the Lavelle case. AF Mag 55:20 Dec '72

LAW see

Air Law	Military Law
International Law	Space Law
Maritime Law	

LAW ENFORCEMENT ASSISTANCE ADMINISTRATION

(LEAA) Govt Exec pt 1, Law Enforcement Institute shifts priorities 4:46-47; pt 2, Law Enforcement Standards Laboratory putting brakes on proliferating equipment. 4:47-49 Jul '72



# LAW ENFORCEMENT ASSISTANCE ADMINISTRATION Continued

Problems between FBI, states and LEAA. E. Drake  
Lundell, Jr. illus Govt Exec 4:44+ Nov '72

## LAWS AND LEGISLATION

Annual authorization legislation. Maj Cecil W.  
Williams. illus AF JAG L Rev 14:103-108  
Spring '72

BX costs to go up, price hike unlikely. AF Times  
33:44 Sep 27 '72

'Blue collar' raises set--military and kin benefit.  
Bob Horowitz. AF Times 33:1+ Sep 6 '72

Cadets get insurance coverage. AF Times 32:50  
Jul 5 '72

Congress and the President: The current struggle to  
control national commitments and the war power.  
William B. Grant. Forum No. 13:1-25 Fall '71

Congress holds up bonus bill. Bob Horowitz. AF  
Times 32:1+ Jun 7 '72

Congressional actions as they relate to Air Force in-  
stallations. Maj Garrett W. Palmer. illus AF JAG  
L Rev 14:109-111 Spring '72

Congressional Legislation Division and the legislative  
process. Col James Taylor, Jr and Maj Cecil W.  
Williams. illus AF JAG L Rev 14:84-99 Spring '72

Disabled WAF (Capt Claire E. Brou, Ret) gets  
\$100,000. Bob Horowitz. AF Times 33:1+  
Oct 11 '72

Education Act adds vets' benefits--effective March 1.  
AF Times 33:46 Dec 13 '72

Environmental law. TIG Brief 24:1-2 Feb 11 '72

Equal Employment Opportunity Act of 1972 (PL 92-  
261). TIG Brief 24:15 Jun 2 '72

GI Bill allowance boosted sharply. Larry Carney.  
AF Times 33:4 Oct 25 '72

GIs fare well in Congress in '71--some matters still  
pending. Bob Horowitz. AF Times 32:13 Jan 12 '72

Here's a full rundown of new GI Bill benefits. AF  
Times 33:55 Nov 8 '72

Key personnel bills ready for Hill action. AF Times  
32:13 Feb 2 '72

The legislative process and the election. Col  
Alexander Perry, Ret. Review 52:33+ Sep-Oct '72

Legislative report on pertinent bills (introduced in  
the 92d Congress of interest to ROA members).  
Table only. Officer 48:20-21 Dec '72

Legislative report on pertinent bills (introduced in  
the 92d Congress of primary interest to ROA  
members, updated from Officer, Dec 1971). Table  
only. Officer 48:10 Jul '72

Military bills mark time as year wears on. Robert S.  
Horowitz. AF Times 32:21 Jul 19 '72

Money laws expire in '73. Randy Shoemaker. AF  
Times 32:1+ Jul 19 '72

1971 veterans' legislation provides greater benefits.  
AF Times 32:22 Jan 19 '72

Nixon signs 10 percent disability raise. AF Times  
32:18 Jul 19 '72

Pay forgiveness power widens. AF Times 33:3  
Oct 11 '72

# LAWS AND LEGISLATION - Continued

The role of the Office of Management and Budget in  
the legislative process. Maj Grant Miller. illus  
AF JAG L Rev 14:112-114 Spring '72

Senator Jennings Randolph: "Man has joined the list  
of endangered species." illus Govt Exec 4:34-35  
Aug '72

Service bills in Congress. AF Times 32:13 Feb 2 '72;  
32:10 Mar 8 '72; 33:46 Sep 13 '72; 33:55 Oct 18 '72

Social Security measure carries military credit.  
AF Times 33:6 Nov 1 '72

Space-A parcel size increased. AF Times 33:8  
Oct 11 '72

View from the Hill, a legislative report (on Guard  
related bills). Col James B. Deerin. Natl Guards-  
man 26:39 Nov '72

"Well equipped... Guard and Reserve most economical  
part of... defense." (Excerpts from report to the  
President and Congress) Melvin R. Laird. illus  
Officer 48:24+ Dec '72

What about Section 22 (of the Interstate Commerce  
Act)? A legislative history. Louis A. Masciocchi.  
illus Translog 3:19-21+ May '72

Widow aid plan ready to roll--Nixon signing anti-  
cipated. AF Times 33:3 Sep 27 '72

Widows' equity details set--here's how law works.  
Robert S. Horowitz. tab AF Times 33:25+  
Oct 11 '72

Widows' equity signed into law. AF Times 33:4  
Oct 4 '72

## LAWYERS

Attorneys offered JAG duty. AF Times 32:4 Jun 7 '72

LITE in review--two aspects. LtCol Rose L. Volino.  
illus AF JAG L Rev 14:25-34 Winter '72

LITE--Legal Information Thru Electronics. illus  
tabs AF JAG L Rev 14: entire issue Winter '72

"Legal Information Thru Electronics" (LITE) library.  
TIG Brief 24:8 May 19 '72

A life in his hands. (AF attorney Capt John O'Reilly)  
Sgt Dave Cole. illus Airman 16:2-6 Jun '72

A look in the future of computerized research. Carl  
S. Mallow, Jr. illus AF JAG L Rev 14:38-52  
Winter '72

Military justice before the bar. LtCol Albert N.  
Garland, Ret. Army 22:27-29 Jan '72

SAMSO lawyers take lead in aiding POW-MLA  
families. AF Times 33:32 Oct 18 '72

Use of LITE--a common responsibility. Edward G.  
Duckworth. illus AF JAG L Rev 14:10-13  
Winter '72

## Education and Training

JAG courses still open. AF Times 32:20 Jan 12 '72

## LEA, Homer

Homer Lea--interloper on history. John Clark  
Kimball. por US Nav Inst Proc 98:61-67 Apr '72

LEACH, Walter B.

In memoriam: W. Barton Leach and Gen Emmett (Rosy) O'Donnell. John F. Loosbrock. por AF Mag 55:15 Feb '72

LEADERSHIP

See also  
Command

"Battle-mindedness." CAPT R.A. Bowling. illus US Nav Inst Proc 98:41-45 Oct '72

Battle plan for drugs: A challenge to leadership. Interview. BrigGen Robert G. Gard, Jr. illus Soldiers 27:5-7 Feb '72

Be ready to do what you ask of others. MajGen A.S. Newman. illus Army 22:45-46 Jul '72

Challenge and response: The Air Force officer in the coming decade. (Address, Graduation Exercises, USAFA, Colorado Springs, June 7, 1972) Robert C. Seamans, Jr. illus AF Plcy Ltr for Comdrs: Sup No. 8:2-7 Aug '72; Excerpts. AF Mag 55:74-75 Aug '72

Challenges ahead for young leaders. (Remarks, Junior Officers Council Dining-Out, Langley AFB, Va, Nov 19, 1971) Robert C. Seamans, Jr. AF Plcy Ltr for Comdrs: Sup No. 2:2-8 Feb '72

Change is for leaders. (Address, Arnold Air Society Dining-In, Purdue University, Lafayette, Ind, Dec 10, 1971) BrigGen William H. Best, Jr. AF Plcy Ltr for Comdrs: Sup No. 3:7-12 Mar '72

Commander's personal example. ColGen Y. Ivanovsky. illus Soviet Mil Rev No. 3:2-5 Mar '72

Company level personnel managers: Junior officers. LtCol James R. Bambery. Infantry 62:32-35 May-Jun '72

Demands of being a leader. (Address, ROTC Commissioning Exercise, St Louis University, May 14, 1972) BrigGen William H. Best, Jr. AF Plcy Ltr for Comdrs: Sup No. 8:8-12 Aug '72

Evaluation systems and superior-subordinate relationships. Anthony J. Daniels. illus Mil Rev 52:3-8 Jan '72

Human aspects of a systems approach. Capt Richard E. de la Menardiere. AU Rev 23:74-77 Sep-Oct '72

The informal contract (between the organization and its members). LtCols Robert M. Elton and Dandridge M. Malone. illus Army 22:10-14 Sep '72

Intuition: An instantaneous backup system? Col James E. Mrazek, Ret. illus AU Rev 23:34-41 Jan-Feb '72

Lead, train, administer. MajGen George B. Pickett, Jr. illus Mil Rev 52:47-53 Jun '72

Leaders also have "hang-ups." Col R. E. Mack. Infantry 62:11-13 Sep-Oct '72

Leadership. (Address, Army War College, Oct 1971) Gen Omar N. Bradley. illus Parameters 1:2-8 Winter '72

Leadership and environment. LtGen Lam Quang Thi. illus Mil Rev 52:16-20 Sep '72

Leadership and the dogfight. LtCol Ron Ronen. MarCor Gaz 56:57-58 May '72

Leadership evaluation--use a leadership checklist. Maj W. C. Ruthazer. MarCor Gaz 56:40-41 Apr '72

LEADERSHIP - Continued

Leadership in the 1970's. MajGen George B. Pickett, Jr. illus Army 22:22-28 Mar '72

Leadership: The military and the academicians. Maj Dee E. Cuttell. illus tab Mil Rev 52:45-53 Dec '72

The man in command (Col Thomas E. Clifford). Sgt Charles T. Keene. illus Airman 16:16-19 Dec '72

A message for military leaders. Gen Bruce K. Holloway. illus Combat Crew 23:4-6 Jan '72

The Modern Volunteer Army (MVA): A product of junior officers. 2dLt Carl G. Schott. illus Infantry 62:6-8 Jul-Aug '72

On positive thinking in the Army. LtCol Robert M. Joyce. Persp in Def Mgt, pp 69-73, Spring '72

Packard blasts leaders (before a meeting of the National Security Industrial Association). Bob Schweitz. AF Times 32:2 Mar 22 '72

Preparedness is the key to a good mechanized Infantry force. 2dLt John Merwin. illus Infantry 62:6-9 Jan-Feb '72

The professional leader--a personal model. Maj David H. Price. illus Mil Rev 52:52-57 Nov '72

The psychology of leadership. SMSgt Bruce Emerson USAF Instrs J 9:22-24 Winter '71-'72

Race relations and the leader. Capt William A. Richards. illus Infantry 62:32-37 Mar-Apr '72

Stiffening the backbone. (Improving squadron leadership) Col Josiah A. Wallace, Jr. illus tabs Army 22:28-31 Jun '72

Strategy for Armor. Col Wesley W. Yale, Ret. illus Armor 81:17-19 Nov-Dec '72

Study and Teaching

Education for leadership. Maj Henry G. Gole. illus MarCor Gaz 56:18-26 Dec '72

Solutions from experience--the V Corps 'Operation Bootstrap.' PFC John G. Kelso. illus Army 22:40-44 Jul '72

LEARNING

Learning by doing. (Life support systems training at Chanute Technical School) Gerald F. Klein and Ronald D. Hess. illus USAF Instrs J 9:15-20 Spring '72

Visualization. TSgt Evariste J. Bisson. USAF Instrs J 9:48-50 Spring '72

LEARNING CENTERS see Instructional Materials CentersLEAVE, MILITARY

Both Houses pushing for aid to POW/MIA. tab Armed Forces J 109:10 Jul '72

Cancellation of leave authorizations. TIG Brief 24:13 Nov 24 '72

Carry-over leave OK'd. Ed Gates. AF Times 32:1+ Jun 21 '72

Commander's responsibility for leave administration. TIG Brief 24:17 Dec 22 '72

Fogy 'catch-ups' (in pay) due during April. AF Times 32:2 Mar 29 '72

Leave accounting system. TIG Brief 24:20 Mar 24 '72

LEAVE, MILITARY - Continued

Leave accounting system. TIG Brief 24:15 Sep 15 '72

Leave accounting system--self evaluation check list for JUMPS interim leave accounting. TIG Brief 24:15-16 Dec 22 '72

LEE, Robert E.

General Robert E. Lee and modern decision theory. LtCol Herman L. Gilster. por AU Rev 23:40-48 Mar-Apr '72

LEGAL AIDSee also

Lawyers

Judges (on Court of Military Appeals) split on right to counsel. AF Times 32:21 Jun 28 '72

Legal aid extension asked. AF Times 32:41 Aug 2 '72

Legal aid program given extra time. AF Times 33:3 Sep 6 '72

Pilot legal program aids 276 'hardship' cases. AF Times 32:23 Mar 15 '72

SAMSO lawyers take lead in aiding POW-MIA families. AF Times 33:32 Oct 18 '72

Your personal legal eagles. SP4 Chuck Noland. illus Soldiers 27:24-26 Jul '72

LEGISLATION see Laws and Legislation

LEGISLATIVE LIAISONAir Force

Air Force liaison with Congress via the constituent inquiry. Col Bernhard M. Ettenson. illus AF JAG L Rev 14:82-83 Spring '72

Annual authorization legislation. Maj Cecil W. Williams. illus AF JAG L Rev 14:103-108 Spring '72

Congressional investigations. Col Thomas McConnell. illus AF JAG L Rev 14:100-102 Spring '72

(Office of) Legislative Liaison. MajGen John C. Giraudo. illus AF JAG L Rev 14:80-81 Spring '72

SAFLL special issue. illus AF JAG L Rev 14: entire issue Spring '72

Armed Forces

You can make book, liaison will help. Bob Horowitz. AF Times 33:10 Nov 29 '72

LEMNITZER, Lyman L.

NATO--the United States' most successful alliance. Gen Lyman L. Lemnitzer, Ret. por Officer 48:19+ Mar '72

LENIN, Vladimir I.

Lenin--founder of the USSR. B. Topornin. por Soviet Mil Rev No. 11:6-8 Nov '72

Lenin on the new type of Army. Col A. Pozmogov. Soviet Mil Rev No. 4:11-13 Apr '72

LEWIS, Homer I.

AFRES--on-call professionals. por AF Mag 55:124-126 May '72

LEWIS, Homer I. - Continued

Air Force Reserve and total force concept. (Address. Inter-Allied Confederation of Reserve Officers, Washington, Aug 11, 1972) MajGen Homer I. Lewis. AF Pley Ltr for Comdrs: Sup No. 10:9-12 Oct '72

LIAISON, LEGISLATIVE see Legislative Liaison

LIBRARIESAir Force

Basic medical library. TIG Brief 24:19 Feb 11 '72

Navy

NARF (Naval Air Rework Facility)--plugging in the library. illus Govt Exec 4:20 Mar '72

LIE DETECTORS

Lie detector dealt new blow. AF Times 32:10 May 24 '72

LIEBLING, Joseph J.

DOD is chopping through the security jungle. por Govt Exec 4:61 Apr '72

LIFE

Astrogenic environments: The effect of stellar spectral classes on the evolutionary pace of life. Krafft A. Ehrlicke. illus tabs Spaceflight 14:2-14 Jan '72

Spontaneous generation and chemical evolution. P. M. Molton. illus tab Spaceflight 14:187-191 May '72

LIFE INSURANCE see Insurance, Life

LIFE ON OTHER PLANETS see Extraterrestrial Life

LIFTING BODIES

X24B: A different style for movies. AF Times 32:39 Mar 15 '72

LIGHT

Physiological effects of backscatter of high intensity light pulses on the human pilot. Arthur R. Zeiner and others. illus Aerosp Med 43:1008-1013 Sep '72

LIGHTERS see Barges

LIGHTINGSee also

Airports--Landing Aids

Apollo lunar spacecraft--how it works. The total story of Apollo. illus (Also cutaways) Space World pt 1, 1-4-100:4-60 Apr '72; pt 2, 1-5-101:4-58 May '72; pt 3, 1-6-102:4-59 Jun '72

Flash lamps for lasers. Anne Melson Stommel. Signal 26:32-33 Mar '72

LIGHTNING

The case of the fragmented blades. LtCol Robert D. Brubaker. illus MAC Flyer 19:3-6 Jul '72

Lightning. illus MAC Flyer 19:12-15 Apr '72

Lightning. TIG Brief 24:9-10 Aug 18 '72

Ma Nature's Sunday punch (lightning). Capt James F. Hines. tabs TAC Attack 12:28-29 May '72

LIMITED WAR

Communist lessons learned. Maj Edward Vallenty. AU Rev 24:72-76 Nov-Dec '72



LIMITED WAR - Continued

Controlled escalation in Vietnam. Andrew J. Pierre.  
(Reprinted in part from Foreign Policy, Fall 1971)  
illus AF Mag 55:50-53 Feb '72

Current strategic theories. (Lecture, Naval War  
College) LCDR Benjamin M. Simpson III. illus  
Nav War Col Rev 24:76-85 May '72

Vietnam's lesson in defence economics. John J.  
Clark. illus Royal United Svcs Inst for Def  
Studies J 116:36-40 Dec '71

LIN, Piao

Tiger cat (Lin Piao). Capt Lawrence C. Petersen.  
Fld Artilleryman No. 49:9-17 Feb '72

LOADING AND UNLOADINGSee also

Airplanes--Loading and Unloading  
Airplanes, Military--Loading and Unloading  
Ships--Loading and Unloading

Weapons loading training. TIG Brief 24:13-14  
Dec 22 '72

LOANS, HOME

Bad bargains & prudent palaces--mobile homes. Joe  
Revell. illus map AF Times, Family sup:11-13+  
Sep 20 '72

DC housing--financing comes in many forms. Sue  
Toma. AF Times 32:55 May 3 '72

FHA insured home loans for servicemen. TIG Brief  
24:14 Sep 29 '72

More veterans' benefits offered in new programs.  
AF Times 33:10 Aug 16 '72

Your future as a veteran. illus tabs AF Times pt 1,  
Yes, vets, some do care. Larry Carney. 32:5-6  
Oct 13 '71; pt 2, On-duty Transition does help.  
Bob Schweitz. 32:5-6 Oct 20 '71; pt 3, VA benefits  
aren't automatic. Bill Drach and Louis Dorsch.  
32:42-43 Oct 27 '71; pt 4, GI Bill 'student body'  
growing. Larry Carney. 32:42-43 Nov 3 '71; pt 5,  
Vet unemployment dips. Larry Carney. 32:41-42  
Nov 10 '71; pt 6, Disability pay confusing. Mel  
Jones. 32:46-47 Nov 17 '71; pt 7, VA caters to  
'new vet.' George Marker. 32:43-44 Nov 24 '71;  
pt 8, GI home buying gets new life. George Marker.  
32:45-46 Dec 1 '71; pt 9, SGLI conversion tips.  
Bill Kreh. 32:50-51 Dec 8 '71; pt 10, The bene-  
ficiary snag. Ruth Chandler. 32:37 Dec 15 '71;  
pt 11, How 'bout the Reserves. Ed Gates. 32:  
30-31 Dec 22 '71; pt 12, Dear Congressman.  
Robert S. Horowitz. 32:29 Dec 29 '71; pt 13, Vet  
groups fill a void. Tony Hale. 32:31 Jan 5 '72

LOANS, PERSONAL

(AF) Aid Society offers free school loans. AF Times  
33:3 Nov 29 '72

Aid Society 'assets' reach many. Bruce Callander.  
AF Times 32:13 May 3 '72

Consumer Affairs warns about pitfalls of financing.  
AF Times 32:8 May 10 '72

Education Act adds vets' benefits--effective March 1.  
AF Times 33:46 Dec 13 '72

LOCKE, John L.

HEDCOM--multi-mission managers. por AF Mag  
55:116-117 May '72

LOGISTICSSee also

Integrated Logistic Support  
Movement Control

Transportation, Military

also subdivision under specific wars, e.g.,  
Vietnamese Conflict, 1957- --Logistics  
World War II--Logistics

ACE in the hole! Logistics support of the ACE Mobile  
Force. Maj Robert C. Barrett. illus charts Army  
Log 4:20-23+ Jan-Feb '72

ACLANT mobile logistics: A requirement for  
standardization. RAdm Robert W. Timbrell. illus  
NATO's Fifteen Nations 17:82-84+ Feb-Mar '72

Combat support in wars of national liberation. LtCol  
Harold D. Gallagher. illus Nav War Col Rev 25:  
3-18 Sep-Oct '72

From the notebook of (RADM) Henry E. Eccles (Ret).  
Regular feature in issues of Logistics Spectrum

Let's rock the boat. (Address, 7th Annual SOLE  
Convention, Aug 22-23, 1972, Long Beach, Calif)  
Thomas J. Murrin. illus Log Spectrum 6:18A-D  
Fall '72

The logistics systems concept as a basis for organi-  
zational design. Daniel W. DeHayes, Jr and  
Robert L. Taylor. illus Log Spectrum 6:33-41  
Winter '72

Managing the logistics function. Hal Bayer. illus chart  
Log Spectrum 6:2-8 Fall '72

Organization and management of the logistics function  
in industry. Herbert W. Davis. tabs Log Spectrum  
6:9-13 Fall '72

Professional opportunities on the road ahead. Carl  
Henn. illus Log Spectrum 6:2-4 Summer '72

Responsive physical distribution in a changing world.  
Edwin J. Pruszyński. illus Log Spectrum 6:24-31  
Summer '72

Review of logistics concepts. Bhamy V. Shenoy. Log  
Spectrum 6:14-17+ Summer '72

Unified logistics--an unholy alliance? LtCol Graham  
W. Rider. charts AF Mag 55:48-51 Mar '72

Study and Teaching

The educational structure of logistics. B. Ostrofsky.  
illus Log Spectrum 6:27-32 Spring '72

Logistics education opportunities. LtCol Carl L.  
Gordon. tab Log Spectrum 6:2-4 Spring '72

Air Force

ALS (Advanced Logistics System)--a revolution in  
logistics. (Interview with Gordon Ray) illus Govt  
Exec 4:33-34 Jul '72

Initial provisioning. Stanley Reese. illus Review  
51:37+ May-Jun '72

The logistics manager in the 70s. (Remarks, World-  
wide Logistics Conference Award Banquet, Tyn-  
dall AFB, Fla, Oct 20, 1971) Gen John D. Ryan.  
AF Plcy Ltr for Comdrs: Sup No. 2:14-17 Feb '72

A quarter century of Air Force supply. illus Review  
51:15+ May-Jun '72

LOGISTICS - ContinuedArmed Forces

Developing the heavy lift helicopter--an improved logistics helicopter within a decade? illus tab Army Log 4:4-8 Jul-Aug '72

The versatile, vulnerable container ship. Col Frank B. Case. illus US Nav Inst Proc 98:48-53 Feb '72

Study and Teaching

Logistics education opportunities. LtCol Carl L. Gordon. tab Log Spectrum 6:2-4 Spring '72

Army

Army logistics system--a time for analysis. BrigGen Charles D.Y. Ostrom, Ret. illus Army Log 4: 8-11+ Sep-Oct '72

Army's MajGen (Robert L.) Fair: The next target is SAILS (Standard Army Intermediate Logistics System). illus Govt Exec 4:40 Jul '72

LOGMAP--leading the way to an improved logistics system. Carshall C. Carlisle, Jr and Maj Robert E. Dyer. illus Army Log 4:4-7 Nov-Dec '72

Logistics and the Army Planning System. LtCol James D. Smith. illus chart Army Log 4:16-19 Sep-Oct '72

The logistics five year plan--1971-1976. LtGen Joseph M. Heiser, Jr and Michael H. Dugan. illus tabs Army Log 4:18-23 Mar-Apr '72

Logistics offensive. LtGen Joseph M. Heiser, Jr. Log Spectrum 6:18-20+ Winter '72

Materiel management. (Address, AMC Executive Seminar, May 12, 1972) Gen William C. Westmoreland. illus Army Log 4:14-17 Jul-Aug '72

Pitfalls of vertical management. LtGen Charles W. Eifler. Army Log 4:30-31 Jul-Aug '72

SAILS--Standard Army Intermediate Level Supply subsystem. illus Army Log 4:26-29+ Jul-Aug '72

SALS--Standard Army Logistics System concept. chart Army Log 4:4-7+ May-Jun '72

Soviet ground force logistics. Graham Turbiville. illus map Army Log 4:18-21+ Jul-Aug '72

Tooth and tail: The debate rages on (Army organization). Lloyd Norman. illus Army 22:27-29 May '72

Study and Teaching

NCOLP (NonCommissioned Officer Logistics Program) in an envelope. Gordon C. Bennett. illus Review 52:45-46+ Jul-Aug '72

LOGISTICS - ContinuedMarine Corps

Mobile logistics. Maj R.E. Lochner. illus MarCor Gaz 56:31-35 Jul '72

Sea-based landing force operations: An evolutionary development. MajGen Lawrence F. Snowden and Maj Marshall N. Carter. illus US Nav Inst Proc 98: 105-108 Nov '72

A view from FMF Pac of logistics in the Western Pacific, 1965-1971. Col James B. Soper, Ret. illus US Nav Inst Proc 98:222-239 May '72

Navy

The challenge of logistics: An open letter. CAPT Clarence O. Fiske. illus Nav War Col Rev 24:59-63 Apr '72

The Navy's unique transportation requirement. William B. Bristol, Jr. illus Def Trans J 28: 53-56 Sep-Oct '72

LONG RANGE NAVIGATION see LORANLORAN

The coral carrier (Tern Island, French Frigate Shoals). A. Binion Amerson, Jr. illus maps Mil Engr 64:33-36 Jan-Feb '72

(LORETS: Loran RETranSmission) Signal 26:59 May '72

The quiet revolution in radio navigation. James J. Heigl, Jr. illus maps Signal 26:21-24 Mar '72

2-state antenna system--Loran D facility. AF Times 33:58 Nov 22 '72

LOSEY, Melvin D.

Profile: (BrigGen) M. D. "Bob" Losey (Ret). por Def Trans J 28:14 Sep-Oct '72

LOTZ, Walter E., Jr

NATO Integrated Communications System (NICS). LtGen Walter E. Lotz, Jr. por Signal 26:53-56 Jan-Feb '72

LUBRICATION AND LUBRICANTS

Inside job. (Spectrometric Oil Analysis Program, SOAP) LtCol Richard H. Wood. illus Aerosp Safety 28:21-24 Mar '72

LUNAR EXCURSION MODULE see Space Project--Lunar ModuleLUNAR MODULE see Space Project--Lunar ModuleLUNAR VEHICLES see Moon Vehicles

MAAG see Military Assistance Advisory Group

MAC see Military Airlift Command

MARS see Military Affiliate Radio System

MEP see Medical Education Program

MILSTAMP see Military Standard Transportation and Movement Procedures

MLF see Multilateral Force

MSC see Military Sealift Command

MTMTS see Military Traffic Management and Terminal Service

McCAFFREY, William J.

Wrapping it up in South Vietnam. LtGen William J. McCaffrey. por Army 22:57-64 Oct '72

McCain, John S., Jr

Admiral McCain assesses the war in Southeast Asia. Interview. por AF Mag 55:52-53 Sep '72

Home to Hawaii: Gayler succeeds McCain as CinCPAC. Heather David. por Sea Power 15:14-17 Sep '72

The Lavelle affair hearings delay 2 confirmations (Gen Creighton Abrams, ADM John D. McCain, Jr). AF Times 33:4 Sep 6 '72

'The long blue line.' (ADM John S. McCain, Jr retires as Commander-in-Chief, Pacific and VADM Noel Gayler will replace him) Editorial. Sea Power 15:7 Apr '72

The military outlook in the Far East. (Address, AUSA Annual Meeting, Washington, Oct 13, 1971) ADM John S. McCain, Jr. AF Ploy Ltr for Comdrs: Sup No. 1:16-28 Jan '72

McClellan, Stan L.

Vietnamese recruits become tacticians (at the Quang Trung National Training Center). BrigGen Stan L. McClellan. illus Infantry 62:18-19 Sep-Oct '72

McCORMICK, Lynde D.

Former SACLANT's. por biog NATO's Fifteen Nations 17:24-26 Feb-Mar '72

McCutcheon, Keith B.

MCAS, New River named McCutcheon Field in dual ceremony. illus MarCor Gaz 56:5 Jul '72

McDivitt, James A.

Pursley, 44, McDivitt, 43 to retire this summer (and other general officer actions announced). illus AF Times 32:4 Jun 21 '72

McGehee, Thomas K.

ADC--detection and defense. por AF Mag 55:94-97 May '72

The answer man. (ADC's junior officer advisor) Capt Edward A. Orgon and SSgt Dale E. Lybarger. por Airman 16:14-16 Apr '72

McGiffert, John R.

Airpower halts an invasion. (Based on interviews with Gens F. C. Weyand, L. D. Clay, Jr, G. W. Johnson, J. R. McGiffert and J. W. Vogt, Jr) Edgar Ulsamer. por AF Mag 55:60-68+ Sep '72

McGovern, George

Defense budgets: Ike, Nixon and McGovern. LtGen Ira C. Eaker, Ret. AF Times 33:13 Sep 6 '72

The Defense debate: 1972. (Sen McGovern vs Melvin Laird) por Natl Guardsman 26:10-14 Aug-Sep '72

Laird can't find savings in the McGovern budget. AF Times 32:3 Jul 19 '72

McGovern cuts analyzed--Laird makes study. AF Times 32:22 Jul 26 '72

McGovern to refine Defense cost cuts. AF Times 33:42 Sep 20 '72

McGovern would slow military transfers pace. Ed Gates. AF Times 33:3 Oct 4 '72

Recomp endorsed by Senator McGovern. Bob Schweitz. AF Times 32:1+ Aug 2 '72

Senators eye McGovern (proposed DOD) cuts. Robert S. Horowitz. AF Times 32:8 Jun 21 '72

Where the candidates stand on defense. Claude Witze. illus AF Mag 55:50-51 Oct '72

MACHINE GUNS

Aussie F1 submachine gun. CW2 T. L. Golden. illus tab Ordnance 57:228-230 Nov-Dec '72

The Infantry light machine gun--7.62 or 5.56? Maj F. W. A. Hobart, Ret. illus tabs Intl Def Rev 5: 261-264 Jun '72

Instruction in machine-gun firing. Col S. Prokhorov. Soviet Mil Rev No. 2:19-20 Feb '72

KPV heavy machine gun. Maj F. W. A. Hobart. illus tab Ordnance 57:63-65 Jul-Aug '72

War trophies. TIG Brief 24:14 Mar 24 '72

History

The devil's watering pot. N. W. Emmott. illus US Nav Inst Proc 98:68-79 Sep '72

MACHINE TOOLS

N/C (Numerical/Control) processes pay off. John Fox. illus Ordnance 57:66-68 Jul-Aug '72

McIntire, Robert H.

Col Robert H. McIntire: Director, Civilian Institutions (AFIT) por Contact 25:9 Nov-Dec '71

Mack, William P.

Naval Academy's Vice Adm Mack: "Officer requirements get tougher every year." por Govt Exec 4:25 Sep '72

McLaughlin, John D.

Improving Army food service. MajGen John D. McLaughlin. chart illus Army Log 4:12-15+ May-Jun '72

McLucas, John L.

(AF studies operational applications for remotely piloted vehicles.) (From address, Electronic Industries Assoc's Symposium on Remotely Piloted Vehicles, Washington, May 31, 1972) John L. McLucas. AF Mag 55:24 Jul '72

Air Force's Dr John McLucas: "Burgeoning interest in Domestic Action Programs." por Govt Exec 4:36 Oct '72



McLUCAS, John L. - Continued

Drones: Future fighter? RPVs could save lives and money in battle. (Summary of address, Electronic Industries Assoc meeting, May 1971) John L. McLucas. AF Times 32:37 Jun 21 '72

McNAMARA, Andrew T.

(History and activities of the American Logistics Assoc) (Statement before the House Armed Services Committee Subcommittee on Non-Appropriated Fund Activities) LtGen A.T. McNamara, Ret. Review 52:29+ Jul-Aug '72

McNAMARA, Robert S.

Conventional versus nuclear power for CVA-67: A study of Defense management. Allan A. Spitz. illus Nav War Col Rev 24:3-14 Apr '72

MACREADY, John A.

Transpacific flight. Sally Macready Liston. illus map Am Avn Hist Soc J 17:21-25 Spring '72

MADDOX, William J., Jr

Debating the future of 'flying tanks.' Lloyd Norman. por Army 22:18-21 Feb '72

From fabric to FLIR (Forward Looking Infra Red). BrigGen William J. Maddox, Jr. illus USA Avn Dig 18:2-3 Jun '72

Looking into the future (of Army Aviation). BrigGen William J. Maddox, Jr. illus USA Avn Dig 18:2-3 Mar '72

A rebuttal on UTTAS: Army defends its Utility Tactical Transport Aircraft System development. Interview and clarification. BrigGen William J. Maddox. illus Govt Exec 4:44-46+ Jun '72

MAGATHAN, Wallace C., Jr

General Magathan reassigned. Parameters 1:77 Winter '72

MAGNETS AND MAGNETISM

"Magnetic mirrors" in space: Cosmic rays--heralds of magnetic storms. Leonti Miroshnichenko. Space World I-2-98:39 Feb '72

NASA launches European spacecraft. illus Space World I-6-102:61-63 Jun '72

Small scientific satellite (S<sup>3</sup>) to be launched. Space World I-2-98:35-38 Feb '72

MAGRUDER, William M.

Double mileage from the military R&D dollar. Interview. William M. Magruder. por AF Mag 55:34-39 Apr '72

MAHAN, Alfred T.

History or logic as approaches to strategy. K. Booth. illus RUSI J for Def Studies 117:34-39 Sep '72

Mahan and naval strategy in the nuclear age. (Lecture, Naval War College) CDR James A. Barber. illus Nav War Col Rev 24:78-88 Mar '72

Mahan: The influence of a historian on history. Edward Bernard Glick. por Mil Rev 52:31-34 Apr '72

Theory of naval strategy in the nuclear age. RAdm Edward Wegener, Ret. illus US Nav Inst Proc 98: 190-207 May '72

MAINTENANCE AND REPAIRSee also

Aircraft Maintenance  
Missile Maintenance

also subdivision Maintenance and Repair under specific subjects

The Army Maintenance (Management) System (TAMMS) simplification study. Maj James A. Wilhite. illus Armor 81:40-42 May-Jun '72

Base contract maintenance. TIG Brief 24:21 Dec 22 '72

Contractor-furnished technical data. TIG Brief 24:5 Sep 15 '72

Control of parts for delayed maintenance. TIG Brief 24:6 Sep 15 '72

Critical/due in from maintenance asset management. TIG Brief 24:14 Jul 28 '72

Direct exchange. LtCol Paul F. Anderson. illus Army Log 4:26-31 Jan-Feb '72

Improvement in the management of maintenance--Project Rivet Rally. TIG Brief 24:7-8 Jul 28 '72

Installation and removal of nonmunitions items (in Project Rivet Rally). TIG Brief 24:19-20 Aug 18 '72

Maintenance Manager Review Program (MMRP). TIG Brief 24:5 Dec 8 '72

Maintenance: 12-hour day. (Project Rivet Rally) AF Times 32:1+ Jun 28 '72

Management of base contract maintenance. TIG Brief 24:21 Feb 25 '72

Meeting the maintenance challenge. LtCol Richard M. Meyer. tab Infantry 62:52-56 Jul-Aug '72

Operating and maintaining Air Force family housing. TIG Brief 24:5-6 Sep 29 '72

Project Rivet Rally now in effect. TIG Brief 24:12 Dec 22 '72

Rebuilding repairable Army equipment in the Pacific Theater. MajGen Jack C. Fuson. illus tabs Army Log 4:4-7+ Jan-Feb '72

Show me! Management in action. Aerosp Safety 28:4-5 Feb '72

12-hour day rules set (for) maintenance programs. AF Times 33:8 Nov 1 '72

12-hour policy sets maximum for maintenance (men). AF Times 32:22 Jul 12 '72

Equipment

Letterkenny Depot cuts tank engine overhaul \$ by 65%. illus Armed Forces J 109:20-21 May '72

Study and Teaching

Maintenance management orientation. TIG Brief 24:12 Jan 28 '72

MALAYSIA

After 152 years, Britain leaves Malaysia. John Marriott. Armed Forces J 109:24 Jan '72

Economic Policy

National and rural development in Malaysia. V. J. Croizat, Ret. chart illus map MarCor Gaz 56:33-39 Jan '72

MALAYSIA - ContinuedPolitics and Government

National and rural development in Malaysia. V.J. Croizat, Ret. chart illus map MarCor Gaz 56:33-39 Jan '72

MALTA

Malta--a maritime base for rent. VADM B. B. Schofield, Ret. illus US Nav Inst Proc 98:111-114 Dec '72

Economic Conditions

Malta: 5-years to recover? Armed Forces J 109:30 May '72

Foreign RelationsGreat Britain

Malta: 5-years to recover? Armed Forces J 109:30 May '72

MAN

The biological background of war--thoughts of a biologist. August Brinkman, Jr. Army Qtr 102:427-437 Jul '72

MANAGEMENTSee also

Personnel Administration

Action styles and management game performance: An exploratory consideration. (Research paper, Naval War College) John M. Roberts and others. tabs Nav War Col Rev 24:65-81 Jun '72

Human aspects of a systems approach. Capt Richard E. de la Menardiere. AU Rev 23:74-77 Sep-Oct '72

Integrated logistics support and organizational relationships. Thomas T. Tierney. illus Log Spectrum 6:5-13 Summer '72

Leadership: The military and the academicians. Maj Dee E. Cutteli. illus tab Mil Rev 52:45-53 Dec '72

Let's call it "electronic spectrum engineering." CAPT R. B. Greenwood. Signal 27:36-37 Oct '72

Management--creating the environment. Maj Thomas Schwartz. Def Mgt J 8:21-22 Apr '72

Management goes multinational: The case of IBM. R. H. Fentruss. Persp in Def Mgt, pp 53-59, Spring '72

Management in the Armed Forces. T. E. Chester. illus Royal United Svcs Inst for Def Studies J 116: 24-31 Dec '71

Manager or doer? J. J. Howell. illus AF Compt 6:9-11 Jul '72

Managerial philosophy. James C. Stephens. illus Armed Forces Compt 17:18-20+ Fall '72

Managing the logistics function. Hal Bayer. illus chart Log Spectrum 6:2-8 Fall '72

New directions in managing technical efforts. (Address, Annual NATO Advisory Group for Aerospace Research and Development, Brussels, Sep 28, 1972) Robert C. Seamans, Jr. AF Plcy Ltr for Comdrs: Sup No. 11:2-12 Nov '72

Organization and management of the logistics function in industry. Herbert W. Davis. tabs Log Spectrum 6:9-13 Fall '72

MANAGEMENT - Continued

Technology and the establishment. Col Raymond C. Shreckengost. illus Nav War Col Rev 24:16-32 Mar '72

What the computer can do for you--a cram course for managers. LtCol John J. McFaul, Jr. illus AF Compt 6:26-28 Jan '72

Study and Teaching

Defense management training: A new direction. (Defense Management and Education Program) Richard Cohen. illus Review 52:40-42+ Jul-Aug '72; Condensation. Army Log 4:34-39 Nov-Dec '72

MANAGEMENT, MILITARYSee also

Resource Management Systems  
Single Manager System  
Supervision  
Supply Management  
Weapon Systems Management

Air Force system of personnel management. (Address, Arnold Engineering Development Center Dining-In, Arnold AFS, Tenn, April 14, 1972) LtGen Robert J. Dixon, AF Plcy Ltr for Comdrs: Sup No. 7:11-17 Jul '72

The anatomy and management of Defence. AM John Barraclough. illus Hawk No. 33:11-18 Feb '72

The Army Maintenance (Management) System (TAMMS) simplification study. Maj James A. Wilhite. illus Armor 81:40-42 May-Jun '72

The Army: Where are we going? Robert F. Froehle. Persp in Def Mgt, pp 39-45, Autumn '72

BEAMS, the multi-purpose tool. Capt Herbert L. Hollar. illus tabs AF Civil Engr 13:22-25+ Feb '72

Base Enginccr Automated Management System (BEAMS). TIG Brief 24:15-16 Apr 21 '72

Base level financial management. Maj William O. Womble and Capt Richard J. Lusk. chart illus AF Compt 6:22-23 Apr '72

Business management: (Navy's Electronics Supply Office). Merton J. Gillies. illus Govt Exec 4:72-73 May '72

Challenges ahead for young leaders. (Remarks, Junior Officers Council Dining-Out, Langley AFB, Va, Nov 19, 1971) Robert C. Seamans, Jr. AF Plcy Ltr for Comdrs: Sup No. 2:2-8 Feb '72

Construction management and management science. George C. Windrow. illus tabs AF Civil Engr 13: 22-23+ May '72

Conventional versus nuclear power for CVA-67: A study of Defense management. Allan A. Spitz. illus Nav War Col Rev 24:3-14 Apr '72

Data automation program redirection. (Address, Worldwide Air Force Data Automation Conference, Langley AFB, Va, March 15, 1972) Spencer J. Schedler. AF Plcy Ltr for Comdrs: Sup No. 7: 24-28 Jul '72

Defense manpower: A \$40-billion problem. Eli Ginzberg. Persp in Def Mgt, pp 15-24, Spring '72

The E-M (Engineer-Manager) concept: Luxury or necessity? LtCol Joseph A. Devlin. illus AF Civil Engr 13:14-15 Aug '72

MANAGEMENT, MILITARY - Continued

- Economic analysis. Col Edmund W. Edmonds. illus AF Compt 6:18-21 Apr '72
- Future high command. Gp Capt I. M. Pedder. (Condensed from Royal Air Forces Quarterly, Spring 1972 and Summer 1972) Mil Rev 52:14-24 Dec '72
- Impacts of participative management. (Panel discussion, American Society of Military Comptrollers National Symposium, Bolling AFB, DC, May 17, 1972) Robert L. Froehlke and others. illus Armed Forces Compt 17:26-34 Summer '72
- The logistics five year plan--1971-1976. LtGen Joseph M. Heiser, Jr and Michael H. Dugan. illus tabs Army Log 4:18-23 Mar-Apr '72
- The logistics manager in the 70s. (Remarks, Worldwide Logistics Conference Award Banquet, Tyndall AFB, Fla, Oct 20, 1971) Gen John D. Ryan. AF Plcy Ltr for Comdrs: Sup No. 2:14-17 Feb '72
- Make any money today? (Modern scheduling techniques) Capt R. G. Ericson. MarCor Gaz 56:49-51 Mar '72
- Management analysis today. Col Lucius Theus. chart illus AF Compt 6:24-27 Apr '72
- Management by objectives. TIG Brief 24:17 Jan 28 '72
- Management--creating the environment. Maj Thomas Schwartz. Def Mgt J 8:21-22 Apr '72
- Management in the Armed Forces. T. E. Chester. illus Royal United Svcs Inst for Def Studies J 116: 24-31 Dec '71
- Management of nonappropriated funds. TIG Brief 24:21 Jan 28 '72
- Management of USAF medical support and administrative services. TIG Brief 24:5-6 May 19 '72
- Materiel management. (Address, AMC Executive Seminar, May 12, 1972) Gen William C. Westmoreland. illus Army Log 4:14-17 Jul-Aug '72
- A meaningful (officer NCO) relationship. SMSgt James A. Brigham. USAF Instrs J 9:47-50 Winter '71-'72
- Meeting the challenge of coalition security. LtCols Zeb B. Bradford, Jr and Frederic J. Brown. illus Mil Rev 52:4-19 Jun '72
- The middle manager's role in the BCE (Base Civil Engineering) organization. Col Frank G. Barnes. illus AF Civil Engr 13:6-8 May '72
- Military leadership at the threshold of the 21st century. GpCapt I. M. Pedder. Royal Air Forces Qtr pt 1, 12:16-21 Spring '72; pt 2, 12:77-84 Summer '72
- The need for innovation. (Address, American Society of Military Comptrollers National Symposium, Bolling AFB, DC, May 17, 1972) RADM J. M. Tierney. illus Armed Forces Compt 17:5-8 Summer '72
- New base comptrollers--blueprint for action. Maj Douglas A. Frost. illus AF Compt 6:10-11 Apr '72
- Of horses and horseshoe nails--on the balance of forces and materiel support. LtCol Edward Stellini. illus AU Rev 23:26-39 Mar-Apr '72
- Paths to progress. LtCol Sheldon J. Lustig and A. M. Crawford. illus AF Civil Engr 13:9-11 May '72

MANAGEMENT, MILITARY - Continued

- Peace-keeping with pride and integrity. Robert F. Froehlke. illus Army 22:16-19 Oct '72
- Quo vadis? (AF civil engineering management) Col Joseph Adamo. illus AF Civil Engr 13:25-28 Aug '72
- Reserve Component philosophy: "Tender, loving care." LtGen Harris W. Hollis. Def Mgt J 8:57-59 Oct '72
- Right--the first time. (Army's Management Practices in Table of Organization and Equipment units, MAP-TOE program) SP4 Chuck Noland. illus Soldiers 27:26-27 Feb '72
- Salvation in the information age. MajGen Paul R. Stoney. Signal 26:6-11 Mar '72
- Show me! Management in action. Aerosp Safety 28:4-5 Feb '72
- Simplicity in management. (Address, Armed Forces Management Luncheon, Wright-Patterson AFB, Ohio, June 21, 1972) LtGen James T. Stewart. Elect Warfare 4:4+ Summer '72
- This business of project management. CAPT Frank H. Featherston. illus US Nav Inst Proc 98:22-29 Jan '72
- Thoroughly modern management. Richard Boyle. illus US Nav Inst Proc 98:34-40 Oct '72
- Tunnel vision management. TIG Brief 24:1 Mar 10 '72
- Use of management analysis services. TIG Brief 24:21 Jun 2 '72
- The white room. (Super-computer administration) Capt Brian T. Ternamian. illus Airman 16:14-17 Mar '72
- Workability of program management. MajGen Paul A. Feyereisen, Ret. Def Mgt J 8:23-26 Apr '72
- Working capital funds. John F. Wallace. illus Army Log 4:8-11+ May-Jun '72

Study and Teaching

- AFO (Accounting & Finance Officer) training--our most critical course? Capt Kenneth W. Baker. illus AF Compt 6:15+ Apr '72
- Defense management training: A new direction. (Defense Management and Education Program) Richard Cohen. illus Review 52:40-42+ Jul-Aug '72; Condensation. Army Log 4:34-39 Nov-Dec '72
- Educating the DOD program manager--vital function of Defense Systems Management School. BrigGen Winfield S. Scott III. tab Def Mgt J 8:27-31 Apr '72
- Management training and the Royal Air Force. WgComdr R. W. Lomas. illus Hawk No. 33:53-59 Feb '72

MANAGEMENT ANALYSIS

- Management analysis today. Col Lucius Theus. chart illus AF Compt 6:24-27 Apr '72
- Management consultant--role of the comptroller. E. J. Komyati. illus AF Compt 6:12-13+ Jul '72
- Special study exchange program. TIG Brief 24:4 Dec 22 '72
- Use of management analysis services. TIG Brief 24:21 Jun 2 '72



MANAGEMENT CENTERS AND SCHOOLSAir Force

AF will undertake open mess training. AF Times 32:10 Feb 9 '72

NCO 'think tank' under way at Lindsey (AS, Germany). AF Times 33:23 Oct 25 '72

Defense Dept

Defense management training: A new direction. (Defense Management and Education Program) Richard Cohen. illus Review 52:40-42+ Jul-Aug '72; Condensation. Army Log 4:34-39 Nov-Dec '72

System X (the Conqueror missile system)--an investment in manager development (as studied in the Defense Systems Management School). CDR James R. Smith. Def Mgt J 8:80-82 Oct '72

MANAGEMENT IMPROVEMENTSee also

Automation	Output Measurement
Cost Effectiveness	Resource Management Systems
Efficiency	

Air Force Resources Conservation Program. Maj Mark A. McBriarty. illus AF Compt 6:13-14 Apr '72

Better federal coverage needed to improve national measurement. Jerome A. Mark. illus tabs Def Mgt J 8:12-15 Oct '72

Better resource management. Gen John C. Meyer. illus AF Compt 6: back cover Oct '72

Blue Ribbon Defense Panel in perspective: The Pentagon still has five sides. James D. Hessman. Armed Forces J 109:45-47 Jan '72

Conflict in communications. (Adapted from presentation, Defense Communications System Future Systems Concepts Symposium) LtCol John E. Sobraske. Signal 26:6-8 May '72

Controlling Defense costs. (Address, National Security Industrial Assoc Cost Symposium, Washington, Aug 1972) Kenneth Rush. Signal 27: 15-18 Dec '72

Cost management in Air Force Systems Command. George S. Brown. illus AF Compt 6: back cover Jan '72

The costly inefficiency of base level information systems. Maj James S. Menees, Jr. illus AF Compt 6:31-33 Oct '72

Down the organization: How to stop overstaffing from stifling people and strangling performance. Col Bruce F. King. illus AU Rev 23:27-33 Jan-Feb '72 Translog 3:17-22 Apr '72

Financial management digest. Regular feature in some issues of Armed Forces Comptroller

Improvement in the management of maintenance--Project Rivet Rally. TIG Brief 24:7-8 Jul 28 '72

Joint study (of government workers) shows productivity gains. Thomas D. Morris. illus tab Def Mgt J 8:16-20+ Oct '72

Maintenance Manager Review Program (MMRP). TIG Brief 24:5 Dec 8 '72

Make any money today? (Modern scheduling techniques) Capt R. G. Ericson. MarCor Gaz 56:49-51 Mar '72

MANAGEMENT IMPROVEMENT - Continued

A management challenge: Army Aviation in the National Guard. BrigGen James S. Brooks. illus USA Avn Dig 18:5-7 Mar '72

Managerial accounting for data automation. LtCol John J. McFaul. illus AF Compt 6:14-17 Oct '72

The Metlaff factor. Capt Edward J. Rasimus, Jr. USAF Instrs J 9:56-58 Spring '72

PPBS: Yesterday, today and tomorrow. (Adapted from address, American Society of Military Comptrollers National Symposium, Bolling AFB, DC, May 17, 1972) John E. Dawson. illus Armed Forces Comp 17:15-23 Summer '72

Pitfalls of vertical management. LtGen Charles W. Eifler. Army Log 4:30-31 Jul-Aug '72

Productivity analysis, tempered with judgment, improves efficiency. Nestor E. Terleckyi. Def Mgt J 8:25-28 Oct '72

A progress report on AFCE management. A.M. Crawford. illus AF Civil Engr 13:2-5 Feb '72

Project Rivet Rally now in effect. TIG Brief 24:12 Dec 22 '72

There is always a better way. ((MAP-TOE) Management Practices in TOE units) Maj W. J. Ryland. illus Armed Forces Compt 17:30-33 Fall '72

30 rules for supervisors. AF Pley Ltr for Comdrs: Sup No. 3:21-26 Mar '72

Thoroughly modern management. Richard Boyle. illus US Nav Inst Proc 98:34-40 Oct '72

Thoughts on comptrollership. (From remarks, American Society of Military Comptrollers West Coast Regional Symposium, San Diego, Calif, Feb 10-11, 1972) BrigGen E. S. Wittbrodt, Ret. illus Armed Forces Compt 17:28-33 Spring '72

The throwaway package concept matures. William H. Scott. illus Signal 27:12-14 Dec '72

Value management. Maj Jerome G. Peppers, Jr, Ret. AU Rev 23:64-68 Jan-Feb '72

What the computer can do for you--a cram course for managers. LtCol John J. McFaul, Jr. illus AF Compt 6:26-28 Jan '72

What's happening in teleprocessing systems? BrigGen Harold R. Johnson, Ret. illus Signal 26:21-24+ Jan-Feb '72

Work measurement essential to resource management. Eckhard Bennewitz. illus Def Mgt J 8: 30-35 Oct '72

Worker productivity key element in government and business. J. D. Hodgson. illus Def Mgt J 8:2-6 Oct '72

Young managers in defense transportation. Regular feature in issues of Defense Transportation Journal

MANAGEMENT INFORMATION SYSTEMS

Army's handling of software. chart illus Govt Exec 4:62-63+ Apr '72

Army's MajGen (Robert L.) Fair: The next target is SAILS (Standard Army Intermediate Logistics System). illus Govt Exec 4:40 Jul '72

Computer assisted maintenance management. Maj Harold L. Jones. illus tabs USA Avn Dig 18:26-29 Jan '72

MANAGEMENT INFORMATION SYSTEMS - Continued

The costly inefficiency of base level information systems. Maj James S. Menees, Jr. illus AF Compt 6:31-33 Oct '72

Data Systems Design Center: Designing, developing and maintaining the "systems for decisions." Capt James R. Legg. illus Contact 26:2-5 Mar-Apr '72

Force costing in a computer environment. Capt Sara L. Harvey. illus Armed Forces Compt 17:8-13+ Fall '72

The impact of computers on military management and command. LtCol F. Boonham. illus chart RUSI J for Def Studies 117:29-36 Jun '72

Marine aircraft maintenance. LtCol Willis E. Wilson. illus MarCor Gaz 56:28-32 Jan '72

The myth of management involvement in management information systems development. Maj Donald L. Morris. illus Armed Forces Compt 17:4-6+ Spring '72

SAILS--Standard Army Intermediate Level Supply subsystem. illus Army Log 4:26-29+ Jul-Aug '72

SALS--Standard Army Logistics System concept. chart Army Log 4:4-7+ May-Jun '72

Salvation in the information age. MajGen Paul R. Stoney. Signal 26:6-11 Mar '72

MANEUVERS

See also

Combined Operations  
Joint Operations  
War Games

also specific exercises and/or operations by name.

Armed Forces--Russia

Soviet maneuvers: Summer 1971. Maj John F. Meehan III. illus Mil Rev 52:14-21 Apr '72

Navy--Russia

The view from Moscow: Okean and Jenbao--USSR's growing sea power and its alarm over Siberia. Lawrence Griswold. illus map Sea Power 15:11-17 May '72

MANPOWERUnited States

Battle of the budget. (Address, 54th Annual Meeting, American Ordnance Assoc, Washington, May 11, 1972) Robert C. Moot. tabs Ordnance 57:36-39 Jul-Aug '72

Manpower, natural resources and productivity. F. Ray Marshall. Forum No. 15:1-7 Spring '72

MANPOWER, MILITARY

For strength of the services see subdivision  
Statistics under the respective services, e. g.,  
Air Force--United States--Statistics

See also

Military Service, Compulsory  
Personnel

Crisis management--a vocation for the Armed Forces. Dennis Chaplin. Army Qtr 102:303-319 Apr '72

MANPOWER, MILITARY - Continued

Future high command. GpCapt I. M. Pedder. (Condensed from Royal Air Forces Quarterly, Spring 1972 and Summer 1972) Mil Rev 52:14-24 Dec '72

Military leadership at the threshold of the 21st century. GpCapt I. M. Pedder. Royal Air Forces Qtr pt 1, 12:16-21 Spring '72; pt 2, 12:77-84 Summer '72

Mobilization

See Mobilization, Military

Statistics

Comparisons of military manpower. London's International Institute for Strategic Studies. Table only. AF Mag 55:104 Dec '72

United States

AF leads quality race. tab AF Times 32:1+ Jul 26 '72

The all-volunteer armed force--its feasibility and implications. Col Jack R. Butler. illus Parameters 2:17-29 Spring-Summer '72

The all volunteer force. (Address, American Society of Military Comptrollers National Symposium, Bolling AFB, DC, May 17, 1972) George A. Daoust, Jr. illus Armed Forces Compt 17:35-37 Summer '72

The all-volunteer force: Why not? LTJG T. D. Kelley. illus US Nav Inst Proc 98:37-43 Mar '72

A(verage) serviceman: Enlisted, 23, in U.S. AF Times 32:2 Jun 7 '72

Congress scans Indian-chief ratio. AF Times 32:10 Apr 12 '72

Defense, AF establish manpower-need formula. Bob Towle. AF Times 33:4 Nov 8 '72

Defense manpower: A \$40-billion problem. Eli Ginzberg. Persp in Def Mgt, pp 15-24, Spring '72

The focus in 1972 is on people. LtGen Walter T. Kerwin, Jr. illus Army 22:89-93 Oct '72

Invaluable (expensive) human resources. CAPT Donovan B. Quigley. illus Armed Forces Compt 17:11-14+ Spring '72

Manning policy to hit some hard. AF Times 33:41 Sep 13 '72

Manpower allocations and personnel utilization. TIG Brief 24:8 Feb 25 '72

Manpower and defense: How much is enough? How much is good enough? Interview. Roger T. Kelley. illus Govt Exec 4:79-80+ Apr '72

New civilian-military job mix? AF Times 33:3 Nov 8 '72

Personnel cut seen as modest in '73. AF Times 32:20 Feb 2 '72

Rising grades--more money. Bob Horowitz. AF Times 32:9 Mar 22 '72

Senate seeks transfer of headquarters military. Bob Horowitz. AF Times 32:6 Aug 2 '72

Services told to set plans in case all-vol force lags. AF Times 33:5 Oct 18 '72

Toward real Reserve readiness: The case for the cadre system. Gen Hamilton H. Howze, Ret. Army 22:12-16 Aug '72

MANPOWER, MILITARY - ContinuedUnited States - Cont'dStatistics

Expected losses for '73 outlined (in) budget hearings.  
AF Times 32:15 Jul 19 '72

More eagles wear blue. AF Times 32:13 May 31 '72

MANPOWER, TECHNICALSee also

Engineers

National Guard--Air Force

ANG offers jobs as technicians. AF Times 32:15  
Feb 9 '72

Guard technician slots open. AF Times 33:5  
Aug 16 '72

Technician slots available--ANG, Reserve positions.  
Gene Spooner. AF Times 32:8 Jul 19 '72

Navy

The 1100: He flies not; neither does he sink. CAPT  
Andrew G. Nelson. illus US Nav Inst Proc 98:44-48  
Mar '72

Reserve Forces--Air Force

Technician slots available--ANG, Reserve positions.  
Gene Spooner. AF Times 32:8 Jul 19 '72

MANUALS

Here are entered articles on the preparation of  
official manuals of the Services.

Armed Forces

Technical publications--voice of ILS. H. S. Cook, Jr.  
illus tab chart Log Spectrum 6:9-17 Winter '72

MAO, Tse-tung

Mao Tse-tung as strategist. Col William F. Long, Jr.  
illus Army 22:10-17 Apr '72

MAPS AND MAPPING

Geodesy, mapping, oceanography: Current surveying  
and mapping news. Regular feature in issues of  
Military Engineer

Map overprints: An additional dimension in intelli-  
gence. Capt Hinton Crockett. illus Infantry 62:  
40-41 Jul-Aug '72

Mission to Mars. Space World I-2-98:4-13 Feb '72

Orienteering. Maj Robert L. Sloane. illus map Armor  
81:20-23 Nov-Dec '72

Photogrammetric instruments for the Army. Capt  
Clifford J. Mugnier. illus Mil Engr 64:39-43  
Jan-Feb '72

Photogrammetry. CDR Wesley V. Hull. Fld Artillery-  
man No. 49:72-74 Feb '72

(Photomapping the entire sky in the southern hemi-  
sphere) Signal 27:50 Dec '72

The planet mappers. (USAF photomappers) Gene  
Smith. illus AF Mag 55:64-70 Jul '72

MARCH, Peyton C.

The battle of the books: Pershing versus March (ver-  
sus Harbord). Donald Smythe. por Army 22:30-32  
Sep '72

MARINE CORPSBiography

(Col) John Magruder: In memoriam. Col R. D. Heinl,  
Jr, Ret. illus MarCor Gaz 56:16-17 Nov '72

Brigades, Divisions, etcUnited States

The brigade is beautiful. LtCol J. J. Flynn and Maj D.  
A. Quinlan. illus charts MarCor Gaz 56:18-24  
Sep '72

Division recon in Europe. Capt D. C. MacCaskill.  
illus map MarCor Gaz 56:18-22 Jul '72

1st Marines awarded PUC (Presidential Unit Citation)  
for Operation Meade River. illus MarCor Gaz 56:4  
Jan '72

VMCJ (Marine Composite Reconnaissance Squadron).  
LtCol P. A. Manning. illus MarCor Gaz 56:40-43  
Oct '72

United States--History

Mission: Helicopters. (Marine Helicopter Sq One  
(HMX-1)) Capt W. R. Marks, Jr. illus tab MarCor  
Gaz 56:30-35 May '72

Regimental lineage. illus MarCor Gaz 56:66-67  
Nov '72

Regiments of the Corps. James S. Santelli and  
Gabrielle M. Neufeld. illus MarCor Gaz 56:60-65  
Nov '72

Russia

Marines of the Soviet Navy. V. I. Sergeenko. (Trans  
and digested from a Russian publication) MarCor  
Gaz 56:54-55 Aug '72

Paloondra! (Resurgence of the Soviet Naval Infantry)  
LtCol D. K. Cliff. illus tab MarCor Gaz 56:18-27  
Jan '72

The Soviet "Marine Corps." Maj John F. Meehan III.  
illus Mil Rev 52:84-94 Oct '72

Soviet Marines. MajGen R. Melnikov. illus Soviet  
Mil Rev No. 6:5-7 Jun '72

The Soviet Marines. Charles G. Pritchard. illus US  
Nav Inst Proc 98:18-30 Mar '72

United States

The bears were over the mountain as the Marines  
landed in Norway. (Exercise Strong Express) John  
G. Norris. illus Sea Power 15:18-21 Nov '72

By forcible entry. (Navy/Marine Corps amphibious  
assault forces) Col J. B. Soper. illus MarCor Gaz  
56:19-26 Aug '72

The Commandants (of the Marine Corps). Portraits  
only. Armed Forces J 110:36-37 Nov '72

The evolution of amphibious air-ground landing force  
communications requirements. (Address, AFCEA,  
Washington, June 7, 1972) Col Edward J. Driscoll,  
Jr. illus Signal 27:20-22 Sep '72

Gen Earl E. Anderson takes office as Asst CMC.  
MarCor Gaz 56:2 Apr '72

(Gen Robert) Cushman adds new dimension to JCS,  
Assistant CMC next pick. Brooke Nihart. illus  
Armed Forces J 109:14+ Jan '72

Gen Robert Everton Cushman, Jr, twenty-fifth  
Commandant (and past Commandants listed).  
MarCor Gaz 56:1 Jan '72



MARINE CORPS - ContinuedUnited States - Cont'd

'An intellectual in uniform.' (Gen Robert E. Cushman, Jr., 25th Commandant of Marine Corps) L. Edgar Prina. illus Sea Power 15:7-8+ Jan '72

Marine Commandant gets 'alter ego'--General Anderson in profile. Brooke Nihart. illus Sea Power 15:25-26 Jul-Aug '72

Marines at work. Regular feature in some issues of Marine Corps Gazette

Marines' MajGen Foster C. LaHue: "...Returned to our traditional role." illus Govt Exec 4:15 Feb '72

Reflections of a MAAG tour. Maj Richard A. Miller. illus MarCor Gaz 56:41-44 Mar '72

Roles and missions: Time for a change. Capt James H. Webb. illus tabs MarCor Gaz 56:19-26 Mar '72; Comment. Col J. E. Greenwood. 56:56 Apr '72; Comment. Col Marc A. Moore and LtCol Alfred J. Croft, Jr. 56:18-24 Jun '72

"The Secretary of the Marine Corps." Interview. John W. Warner. Armed Forces J 110:42 Nov '72

Versatility for readiness. (Gen Robert E. Cushman, Jr assumes duty as 25th Marine Corps Commandant) illus Ordnance 56:278-279 Jan-Feb '72

A view from FMF Pac of logistics in the Western Pacific, 1965-1971. Col James B. Soper, Ret. illus US Nav Inst Proc 98:222-239 May '72

The view from the tank: Interviews with the Joint Chiefs. illus Armed Forces J 109:36-44 Jan '72

'We're still making Marines like we used to.' Interview. Gen Robert E. Cushman, Jr. Armed Forces J 110:33 Nov '72

With reputation and esprit intact. (Marines look to the future) Brooke Nihart. illus Sea Power 15:18-23 Apr '72

History

Air action in Nicaragua (in 1927). William L. Roper. illus MarCor Gaz 56:54-57 Nov '72

China Marine (Sgt Albert C. Marts). Robert M. Leventhal. illus MarCor Gaz 56:36-42 Nov '72

Four streamers added to Corps battle standard. MarCor Gaz 56:6 Dec '72

The lost Corps: The Confederate States Marines. John E. McGlone III. illus US Nav Inst Proc 98: 68-73 Nov '72

Once a Marine, always a Marine. illus Armed Forces J 110:34-35+ Nov '72

The pre-war era. Col John E. Greenwood. illus MarCor Gaz 56:33-37 Sep '72

Regiments of the Corps. James S. Santelli and Gabrielle M. Neufeld. illus MarCor Gaz 56:60-65 Nov '72

Shanghai emergency. Maj Richard B. Rothwell. illus MarCor Gaz 56:45-53 Nov '72

Organization

The brigade is beautiful. LtCol J. J. Flynn and Maj D. A. Quinlan. illus charts MarCor Gaz 56:18-24 Sep '72

MARINE CORPS - ContinuedUnited States - Cont'dOrganization - Cont'd

Flexibility and the fire team. illus Capt James H. Webb. MarCor Gaz 56:25-28 Apr '72

Flexible response and the Marine Corps. LtCol A. E. Andersen. illus MarCor Gaz 56:40-44 Jan '72

(Gen Robert) Cushman adds new dimension to JCS, Assistant CMC next pick. Brooke Nihart. illus Armed Forces J 109:14+ Jan '72

Hide and slide: Why can't a Marine Corps headquarters unit be something special? Capt Robert Campbell. illus MarCor Gaz 56:37-40 Mar '72

MARINE CORPS AIR STATIONS see Air Bases, Marine

MARINE CORPS AVIATION

Civilian pilot training (authorized for Marine Corps Platoon Leaders Class). MarCor Gaz 56:4 Feb '72

Marine aircraft maintenance. LtCol Willis E. Wilson. illus MarCor Gaz 56:28-32 Jan '72

(Marine Corps) Aviation Association awards. illus MarCor Gaz 56:8 Nov '72

Naval flight officer (in Marine fighter planes). Capt J. D. Cummings. illus MarCor Gaz 56:23-26 May '72

(New Marine Corps-oriented) Aviation Association formed. MarCor Gaz 56:4 May '72

(Operation) Blue Ax. illus tab MarCor Gaz 56:27-29 May '72

60 years of Marine Air, 1912-1972. MajGen H. S. Hill. illus MarCor Gaz 56:20-22 May '72

USMC/DOD/V/STOL Exercise (Versatile Warrior) validates AV-8A Harrier goals. Brooke Nihart. illus Armed Forces J 109:52-53 May '72

With reputation and esprit intact. (Marines look to the future) Brooke Nihart. illus Sea Power 15:18-23 Apr '72

History

Air action in Nicaragua (in 1927). William L. Roper. illus MarCor Gaz 56:54-57 Nov '72

...And Santo Domingo. BrigGen Hayne D. Boyden, Ret. illus MarCor Gaz 56:58-59 Nov '72

A historical analysis of the requirements placed upon fighter aviation. Capt S. M. Silver. illus MarCor Gaz 56:39-45 Feb '72

MARINE CORPS BASESSee also

Air Bases, Marine

United States

Marine Corps bases are entered by name and location as given by the U.S. Organization Chart Service's U.S. Military and Government Installation Directory.

Parris Island, SC

Parris Island revisited. Col Jeremiah O'Leary. illus MarCor Gaz 56:38-42 Sep '72

MARINE CORPS DEVELOPMENT AND EDUCATION  
COMMAND

Command and Staff College today. BrigGen Samuel Jaskilka. illus tab MarCor Gaz 56:25-30 Jun '72

Thoughts on the Basic School. 1stLt Philip Gold. MarCor Gaz 56:50-51 Apr '72

MARINE CORPS SCHOOLS, QUANTICO, VA see  
Marine Corps Development and Education CommandMARINE ENGINES

Motor boat engines. Capt V. Demyanov. Soviet Mil Rev No. 7:22-23 Jul '72

MARINE RESOURCES

Environment conference. (2d Annual Conference on Pollution Control in the Marine Industries, Washington, 1972) illus Govt Exec 4:31 Jun '72

International control of deep sea mineral resources. LCDR Wayne J. Smith. illus tabs Nav War Col Rev 24:82-90 Jun '72

Mahan and naval strategy in the nuclear age. (Lecture, Naval War College) CDR James A. Barber. illus Nav War Col Rev 24:78-88 Mar '72

MARITIME ACADEMIESUnited States

Our imperiled state maritime academies. CAPT William B. Hayler, Ret. illus US Nav Inst Proc 98:50-57 Jun '72

MARITIME ADMINISTRATIONSee also

Merchant Marine--U. S.

Merchant Marine: On the road to recovery. L. Edgar Prina. illus Sea Power 15:34-35 Nov '72

MARITIME LAW

Derelicts of the sea. (Wrecked vessels and their contents) J. Warren Giles. US Nav Inst Proc 98:114-116 Nov '72

International law of the sea: A review of states' offshore claims and competences. L. F. E. Goldie. illus tabs Nav War Col Rev 24:43-66 Feb '72

The shrinking oceans--new law of the sea concepts threaten U.S. interests. William C. Lynch. illus map Sea Power 15:24-28 Dec '72

The T-3 incident. (Fatal shooting on Navy Arctic drifting ice station) RADM C. O. Holmquist. illus US Nav Inst Proc 98:44-53 Sep '72

"Vessel" or "structure?" "Seaman" or "member of the crew?" J. Warren Giles. illus US Nav Inst Proc 98:107-108 Jan '72

MARKETS AND MARKETING

Management goes multinational: The case of IBM. R. H. Fentruss. Persp in Def Mgt, pp 53-59, Spring '72

MARKEY, Howard T.

Reserve readiness--the name of the game at TAC. BrigGen Howard T. Markey. por AF Mag 55: 56-59 Oct '72; Adaptation. Air Reservist 24: 10-11 Nov '72

MARKSMANSHIP

Four states' shooters dominate (Winston P.) Wilson (Rifle and Pistol) matches. illus Natl Guardsman 26:31+ Nov '72

Study and Teaching

Arms training revised (in AFR 50-57). AF Times 32:45 Jul 26 '72

Combine marksmanship with PT. 1stLt Tom Shreeve. MarCor Gaz 56:49-50 Jul '72

Maggie's drawers. (Known distance firing) Capt William D. Eisenhart, Jr. illus Infantry 62:56-57 Jan-Feb '72

MARLBOROUGH, John C., 1st Duke of

Marlborough--the international commander. Maj R. E. Scouller. Army Qtr 102:438-450 Jul '72

MARRIAGE

Sex in the Armed Forces. tab illus Armed Forces J 109:32-34 Jan '72

MARS (PLANET)See also

Space Flight to Mars

Mariner 9: A successful mission to Mars. illus Interavia 27:81 Jan '72

Mariner 9 Mars encounter--November 13 (1971). illus map tab Space World I-2-98:15-22 Feb '72

Mariner 9 studies Mars. Space World I-1-97:4-7 Jan '72

Mars from orbit. Kenneth W. Gatland. illus Spaceflight pt 1, 14:68-70 Feb '72; pt 2, 14:118-120 Mar '72

Mission to Mars. Space World I-2-98:4-13 Feb '72

Observatories exploring reddish planet. G. Petrov and V. Moroz. illus Space World I-5-101:60-64 May '72

Progress in the exploration of Mars. Pictorial. Interavia 27:212-213 Mar '72

The results of Soviet research into Mars. Peter Smolders. tab illus (Also cutaway) Interavia 27: 1139-1141 Oct '72

Soviet automatic probes explore Mars. Space World I-12-108:42-45 Dec '72

Vistas of Mars. Photos only. Spaceflight 14:176-178 May '72; 14:265-267 Jul '72; 14:384-385 Oct '72

Water on Mars might not support life. Space World I-8-104:42 Aug '72

Will robots find life on Mars? Alexei Trofimov and others. Space World I-7-103:40-43 Jul '72

MARSHALL, Samuel L. A.

Genesis to revelation. BrigGen S. L. A. Marshall, Ret. por Mil Rev 52:17-24 Feb '72

MARTIN, Glen W.

Airpower's indispensable role. (Remarks, Armed Forces Day Luncheon, Columbus, Ohio, May 19, 1972) LtGen Glen W. Martin. AF Plcy Ltr for Comdrs: Sup No. 8:24-29 Aug '72

MARTIN, Glen W. - Continued

The deterrent role of Strategic Forces. LtGen Glen W. Martin. por Signal 26:18-20 Mar '72

Hydroplaning. LtGen Glen W. Martin. Combat Crew 23:2-3 Aug '72

MATERIALSSee also

Ceramic Materials

Plastic Materials

also subdivision under specific subjects, e.g.,

Airplanes--Materials

Airplanes, Military--Materials

Materials report. Regular feature in issues of Ordnance

New fibre composite materials. Jacques Spincourt. illus Interavia 27:260 Mar '72

Rapid setting cements. L. E. Pendergrast. illus tab AF Civil Engr 13:8-10 Aug '72

MATERIALS HANDLINGSee also

Containers

Loading and Unloading

Packing for Shipment

Nuclear weapons handling. TIG Brief 24:13 Feb 11 '72

EquipmentMaintenance and Repair

Munitions handling equipment. TIG Brief 24:14 Sep 1 '72

Munitions Handling Equipment (MHE). TIG Brief 24:16 Sep 29 '72

MATHEMATICS

Mathematics and military science. LtCol Carl M. Guelzo, Ret. illus Mil Rev 52:32-40 Jan '72

MAURY, Matthew F.

Maury and the Russian Grand Duke (Constantine). Frank J. Anderson. illus US Nav Inst Proc 98: 68-70 Aug '72

MAXWELL, Jewell C.

Aerospace supremacy: The mission of the Air Force Armament Development and Test Center. por biog Ordnance 57:116-117 Sep-Oct '72

Eglin's ADTC (Armament Development and Test Center)--business end of the Air Force. Interview. MajGen Jewell C. Maxwell. por AF Mag 55:24-29 Aug '72

MEASUREMENT see Weights and MeasuresMECHANIZED FORCES see ArmorMEDAL OF HONOR

The cavalryman's century of valor. Maj Mel R. Jones. illus Armor 81:12-17 Mar-Apr '72

Medal of Honor may change name. Robert S. Horowitz. AF Times 33:6 Sep 20 '72

Six awarded Medal of Honor posthumously. illus Army 22:5 Feb '72

MEDAL OF HONOR - Continued

Skyraider hero (Maj Bernard F. Fisher awarded Medal of Honor). illus Aerosp Hist 19:83 Jun '72

Whose Medal of Honor? AF Times 33:13 Sep 6 '72

MEDALS see Awards, Decorations, etcMEDICAL AND SANITARY AFFAIRSSee also

Vietnamese Conflict, 1957- --Medical and Sanitary Affairs

Air Force

TB found in 100 AFers--375,000 tested. AF Times 33:11 Dec 13 '72

Army

VD today. Owen J. Remington. illus Soldiers 27:34-40 Apr '72

MEDICAL CENTERS AND SCHOOLSAir ForceSee also

Aerospace Medical Division

The enlisted 'docs.' (Physician's assistants train at School of Health Care Sciences, Sheppard AFB, Tex) MSgt Thom Andrews. illus Airman 16:44-47 Jun '72

Eye bank tissues shipped. AF Times 32:38 Apr 12 '72

The physician assistant. (Interview with Col Jerrold L. Wheaton) illus Interceptor 14:5-9 Apr '72

To serve those who fly. (Aeromedical Consultation Service, USAF School of Aerospace Medicine, Brooks AFB, Tex) Col John W. Ord and LtCol William H. King. illus Aerosp Safety 28:14-16 May '72

USAF School of Aerospace Medicine Outstanding Instructor Awards for 1971: LtCol Jefferson C. Davis, Maj Bruce E. Bassett, MSgt Stewart J. Laing, TSgt John F. Grimmer. illus USAF Instrs J 9:3 Spring '72

Armed Forces

Caduceus in uniform--Hébert military medical school offers quantum jump in training. Joseph Volz. illus Sea Power 15:13-18 Feb '72

Congress okays (Armed Forces) medical school. AF Times 33:4 Sep 20 '72

(F. Edward) Hébert defends medical academy. AF Times 33:56 Dec 6 '72

The medical care crisis, medical education, and military health professions of the future. Col Ronald E. Costin. Forum No. 16:60-84 Fall '72

ROA endorses H. R. 2 for Services University of the Health Sciences. Officer 48:18 Mar '72

Rep Hebert's "Uniformed Services University" (of Health Sciences) to be established after House-Senate accord. Officer 48:13 Oct '72

Senate 'operates' on doctors bill. AF Times 32:5 Jun 21 '72



MEDICAL CENTERS AND SCHOOLS - ContinuedArmy

Physician's assistant: The Army's newest career field. Sgt1C D. Mallicoat. illus Soldiers 27:45 Nov '72

MEDICAL CORPSAir Force--U.S.

AFSC surgeon (BrigGen Harold F. Funsch) retires. AF Times 32:31 Feb 23 '72

Big bonuses coming soon. Bob Horowitz. AF Times 32:1+ Mar 29 '72

BrigGen Funsch (Command Surgeon, AFSC) retires. illus Aerosp Med 43:354 Mar '72

Competitive pay seen for medics. illus AF Times 32:22 Feb 16 '72

Doctor pay boost called essential (by Defense Dept's Richard Wilbur). AF Times 32:1+ Jan 26 '72

Family doctor approach to begin in July (at Homestead AFB, Fla). Paul Collins. AF Times 32:3 Mar 1 '72

Med school scholarships near okay. Bob Horowitz. AF Times 32:3 Feb 2 '72

Military consultant program. TIG Brief 24:18 Apr 21 '72

Obstetrical care to end at 12 bases. Paul Collins. AF Times 32:4 Mar 29 '72

131 physicians get field-grade hikes. AF Times 32:6 Feb 2 '72

36 medical specialties--better use of consultants sought. AF Times 32:39 Apr 26 '72

Armed Forces--U.S.

All-vol outlook--\$40,000 a year pay for doctors? AF Times 32:11 Jul 26 '72

Big bonuses asked to retain doctors. Bob Horowitz. AF Times 32:1+ Mar 22 '72

Caduceus in uniform--Hébert military medical school offers quantum jump in training. Joseph Volz. illus Sea Power 15:13-18 Feb '72

Doctor draft ends for this year. AF Times 32:4 Jun 14 '72

Dr Richard S. Wilbur, Defense's health honcho (talks about medical service). Interview. illus AF Times, Family sup:18-19+ Mar 15 '72

The medical care crisis, medical education, and military health professions of the future. Col Ronald E. Costin. Forum No. 16:60-84 Fall '72

Senate 'operates' on doctors bill. AF Times 32:5 Jun 21 '72

Your medical care: It's better than you think. Andrew Schneider and Barry Fishler. illus AF Times, Family sup:8-12 May 17 '72

Army--U.S.

Doctor and diplomat in the (Mekong) Delta. LtCol Tom Hamrick, Ret. illus Army 22:23-26 Jan '72

National Guard--Army--U.S.

A helping hand. (Army Guard medics aid 7,000 Puerto Ricans) illus Natl Guardsman 26:30-31 May '72

MEDICAL CORPS - ContinuedNavy--U.S.

The state of health of Navy medicine. CDR Peter A. Flynn. illus chart US Nav Inst Proc 98:45-51 Aug '72

Reserve Forces--Air Force--U.S.

Competitive pay seen for medics. illus AF Times 32:22 Feb 16 '72

Incentive pay due for AFRes medics. tab AF Times 33:61 Aug 9 '72

MEDICAL EDUCATION PROGRAM

AF pushes medical schooling. Paul Collins. AF Times 32:2 May 3 '72

Med school scholarships near okay. Bob Horowitz. AF Times 32:3 Feb 2 '72

The medical care crisis, medical education, and military health professions of the future. Col Ronald E. Costin. Forum No. 16:60-84 Fall '72

Medical Education Program service commitments. tab Contact 26:20 Jul-Aug '72

MEDICAL EQUIPMENT AND SUPPLIES

Disposable syringes and needles. TIG Brief 24:4 Oct 13 '72

Medical supply audited--27 suggestions made. AF Times 32:8 May 24 '72

A new mobile field hospital concept--(Medical Unit Self-contained, Transportable (MUST)) in operation at Transpo '72. illus Govt Exec 4:43 May '72

MEDICAL EXAMINATIONS

House Appropriations Committee hearings: Briefing--NPRM71-31, Medical certification and surveillance: Air carrier flight crewmembers. P.V. Siegel. Aerosp Med 43:1150-1154 Oct '72

Medical examinations and standards. TIG Brief 24:22 Sep 15 '72

Periodic physical examination--a large investment with a small return. Arnold N. Lubin and Gerald D. Young, Jr. tabs Aerosp Med 43:1141-1143 Oct '72

Postexercise electrocardiograms, coronary heart disease, and airline pilots. Glen E. Garrison and Warren H. Gullen. illus Aerosp Med 43:86-91 Jan '72

Task of a medical department in civil aviation. Kornelis Vaandrager. Aerosp Med 43:439-445 Apr '72

Walk On Floor Eyes Closed (WOFEC): A new addition to an ataxia test battery. Alfred R. Fregly and others. illus tabs Aerosp Med 43:395-399 Apr '72

MEDICAL SERVICESee also

Dental Corps

Flight Surgeons

Medical Corps

Medical Service Corps

Nurse Corps

Surgeon General

Veterinary Corps

Health maintenance organization. TIG Brief 24:21-22 Jun 16 '72

MEDICAL SERVICE - ContinuedAir Force--U.S.

- AF Form 579, "Ward alcoholics and narcotics register." TIG Brief 24:16 Sep 1 '72
- ATC leads way with nurse visits. AF Times 32:51 Feb 23 '72
- Abortions in '71 rise, now down. AF Times 33:34 Oct 18 '72
- Family doctor approach to begin in July (at Homestead AFB, Fla). Paul Collins. AF Times 32:3 Mar 1 '72
- Hospital staffs told to treat patients kindly. AF Times 32:23 Feb 16 '72
- Kidney airlift sets 'first.' illus AF Times 32:38 Apr 12 '72
- Management of USAF medical support and administrative services. TIG Brief 24:5-6 May 19 '72
- Medical facility briefings. TIG Brief 24:2 Oct 27 '72
- Medical food service management. TIG Brief 24:17 Nov 24 '72
- Medical Service contributions to the Air Force life support program. TIG Brief 24:19 May 5 '72
- New roles for Air Force nurses. Capt Brian T. Ternamian. illus Airman 16:38-40 Aug '72
- Nurse-midwife residency program. TIG Brief 24:16 Sep 1 '72
- Obstetrical care to end at 12 bases. Paul Collins. AF Times 32:4 Mar 29 '72
- Persons authorized medical care. TIG Brief 24:9-10 May 19 '72
- The physician assistant. (Interview with Col Jerrold L. Wheaton) illus Interceptor 14:5-9 Apr '72
- Third party liability. TIG Brief 24:17-18 Apr 21 '72
- Top Defense medic (Dr Richard S. Wilbur) lauds AF's service. AF Times 32:2 May 10 '72

Armed Forces--U.S.

- Base medicare cut hangs on CHAMPUS. AF Times 32:3 Jan 19 '72
- Changes outlined in medical care (for) kin, retirees. Randy Shoemaker. AF Times 33:3 Nov 1 '72
- Dr Richard S. Wilbur, Defense's health honcho (talks about medical service). Interview. illus AF Times, Family sup:18-19+ Mar 15 '72
- GAO seeks medic slash. Randy Shoemaker. AF Times 32:1+ Jan 5 '72
- The military abortion maze. Margaret Eastman and Jim Sample. illus tabs AF Times pt 1, Family sup:6-13+ Nov 1 '72; pt 2, Family sup:8-11+ Nov 15 '72
- ROA endorses H. R. 2 for Services University of the Health Sciences. Officer 48:18 Mar '72
- Your medical care: It's better than you think. Andrew Schneider and Barry Fishler. illus AF Times, Family sup:8-12 May 17 '72

MEDICAL SERVICE - ContinuedArmy--Great BritainHistory

- Lord de Grey and Army reform 1859-1866. Anthony Denholm. Army Qtr 102:57-64 Oct '71

Army--U.S.

- Physician's assistant: The Army's newest career field. Sgtl C D. Mallicoat. illus Soldiers 27:45 Nov '72
- What you should know about vasectomy & abortion. Florence E. Oblensky and others. illus Soldiers 27:6-13 Sep '72
- You're covered with military health care facilities and CHAMPUS. SP4 Chuck Noland. illus Soldiers 27:24-26 Sep '72

Navy--U.S.

- The state of health of Navy medicine. CDR Peter A. Flynn. illus chart US Nav Inst Proc 98:45-51 Aug '72

Reserve Forces--Armed Forces--U.S.

- Reserve support units need help. Armed Forces J 110:10 Dec '72

China (People's Republic)

- (BrigGen Walter) Tkach impressed by Chinese medicine. AF Times 33:10 Sep 20 '72
- What's new in old China. LtCol Joseph R. Cataldo. illus Soldiers 27:42-47 Sep '72

United States

- Emergency!! (Emergency Medical services Technician--EMT) Sgtl C D. Mallicoat. illus Soldiers 27:43-44 Nov '72
- Health care jobs up but: Civilian requirements force many veterans to quit field. AF Times 32:10 Mar 29 '72

MEDICAL SERVICE CORPSAir Force--U.S.

- College (Nebraska University College of Medicine) proposes medic aide plan. AF Times 32:17 May 24 '72
- The enlisted 'docs.' (Physician's assistants train at School of Health Care Sciences, Sheppard AFB, Tex) MSgt Thom Andrews. illus Airman 16:44-47 Jun '72
- Med Service Corps offers commissions. AF Times 33:6 Oct 18 '72
- The physician assistant. (Interview with Col Jerrold L. Wheaton) illus Interceptor 14:5-9 Apr '72

Armed Forces--U.S.

- Health care jobs up but: Civilian requirements force many veterans to quit field. AF Times 32:10 Mar 29 '72

Army--U.S.

- Physician's assistant: The Army's newest career field. Sgtl C D. Mallicoat. illus Soldiers 27:45 Nov '72

MEDICARE

- Base medicare cut hangs on CHAMPUS. AF Times 32:3 Jan 19 '72
- CHAMPUS alternate proposed. AF Times 33:1+ Aug 16 '72
- CHAMPUS backs up the Reservist. Officer 48:8 Dec '72
- CHAMPUS dentistry care up. AF Times 33:2 Sep 13 '72
- CHAP aids handicapped youths. Paul Collins. AF Times 32:39 Mar 29 '72
- Changes outlined in medical care (for) kin, retirees. Randy Shoemaker. AF Times 33:3 Nov 1 '72
- Dr Richard S. Wilbur, Defense's health honcho (talks about medical service). Interview. illus AF Times Family sup:18-19+ Mar 15 '72
- Health-care groups sought for CHAMPUS. AF Times 32:2 Apr 5 '72
- Health insurance groups approved by House unit. AF Times 33:2 Aug 30 '72
- Inexpensive med-care bill killed. Randy Shoemaker. AF Times 33:4 Oct 4 '72
- Many use CHAMPUS illegally. AF Times 32:2 Jun 7 '72
- The medical care crisis, medical education, and military health professions of the future. Col Ronald E. Costin. Forum No. 16:60-84 Fall '72
- Medical fee time reminder (for CHAMPUS). AF Times 32:51 Jun 7 '72
- New reg (AFR 168-1) updates health care rules. AF Times 32:22 Apr 5 '72
- Separation ends CHAMPUS eligibility. Ruth Chandler. AF Times 32:13 Feb 16 '72
- What you should know about CHAMPUS. Leo Kaye. tab Airman 16:18-21 Oct '72
- You're covered with military health care facilities and CHAMPUS. SP4 Chuck Noland. illus Soldiers 27: 24-26 Sep '72

MEDICINE see Aviation Medicine; Military Medicine; Space Medicine

MEDITATION

- Consciousness 4 (transcendental meditation)--it probes the inner core of being. SSgt Don Mallicott. illus Soldiers 27:20-22 Feb '72

MEDITERRANEAN FLEET see Fleet, 6th

MEDITERRANEAN REGION

- The defence of NATO's southern flank. ADM Horacio Rivero. illus RUSI J for Def Studies 117:3-10 Jun '72
- Return to Lepanto--will post-Tito Yugoslavia be Russia's next target? Lawrence Griswold. illus map Sea Power 15:10-14 Oct '72

Strategic Importance

- The Adriatic: Soviet seaway someday? LT Eugene P. Sullivan. illus map US Nav Inst Proc 98:26-31 Aug '72

MEDITERRANEAN REGION - ContinuedStrategic Importance - Cont'd

- The complex problems of the southern NATO flank. Maj E. Hinterhoff. illus NATO's Fifteen Nations 17:32-39 Apr-May '72
- View from the bridge of the Sixth Fleet flagship. ADM Isaac C. Kidd, Jr. illus map US Nav Inst Proc 98:18-29 Feb '72

MEDITERRANEAN SEAStrategic Importance

- Bears in the Med(iterranean). Col Minter L. Wilson, Jr. illus maps NATO's Fifteen Nations 17:49-56 Apr-May '72

MELLNIK, Stephen M.

- Supervisory technique: A developed talent. BrigGen Stephen M. Mellnik, Ret. illus Infantry 62:18-21 Jan-Feb '72

MEMORIALS

See also  
Cemeteries, National

- A.E.F. combat airfields and monuments in France. WW I. Royal D. Frey. illus map Am Avn Hist Soc J 17:194-200 Fall '72

- Submarine memorials "for those who served." Pictorial. CAPT George M. Hagerman, Ret. US Nav Inst Proc 98:77-92 Mar '72

- A time for patriots. (Story of WW II ace Maj Richard I. Bong) Jay Reed. illus Airman 16:11-12 Jan '72

- The Tripoli Monument. Dody W. Smith. illus US Nav Inst Proc 98:72-73 Jan '72

- Veterans united at the UN Memorial Cemetery (Pusan, Korea). SGM Donald Andrus. Soldiers 27:17 Oct '72

MENTAL HEALTH

See also  
Psychiatry

- Mental health intervention in aeromedical evacuation. Marilyn A. Becker. illus Aerosp Med 43:333-339 Mar '72

MERCHANT MARINE

- The importance of merchant shipping to the Atlantic community. VAdm J. B. M. J. Maas. illus tabs NATO's Fifteen Nations 17:76-80 Feb-Mar '72

Statistics

- Merchant shipping data. Tables only. US Nav Inst Proc 98:332-333 May '72

Africa, South

- Sea trials for South Africa. Comdr Ivor C. Little. illus US Nav Inst Proc 98:78-83 Dec '72

Australia

- The Australian naval situation. T. B. Millar. illus map tabs US Nav Inst Proc 98:208-221 May '72

Canada

- "Canada must face reality..." Comdr W. G. Kinsman, Ret. illus US Nav Inst Proc 98:32-37 Aug '72



MERCHANT MARINE - ContinuedRussia

The development of Soviet naval power. WgComdr M. T. Thurbon. illus tab Hawk No. 33:31-37 Feb '72

The importance of merchant shipping to the Atlantic community. VAdm J. B. M. J. Maas. illus tabs NATO's Fifteen Nations 17:76-80 Feb-Mar '72

The sea and Soviet domestic transportation. Robert E. Athay. illus maps tabs US Nav Inst Proc 98: 158-177 May '72

The Soviet Navy: Acquiring global capabilities and perspectives. Carl G. Jacobsen. illus Nav War Col Rev 24:41-52 Mar '72

United StatesSee also

Maritime Administration

Blueprint for bluewater. RADM George H. Miller. illus Sea Power 15:8-12 Feb '72

Maritime subsidies: An assessment. James J. Mulquin. Persp in Def Mgt, pp 59-65, Winter '71-'72

The Merchant Marine--awash in manpower problems. Walter McNab Miller III. illus US Nav Inst Proc 98:61-69 Oct '72

Merchant Marine: On the road to recovery. L. Edgar Prina. illus Sea Power 15:34-35 Nov '72

Military Sealift (Command) procurement and the Merchant Marine. RADM John D. Chase. illus tabs Def Trans J 28:40-45 Jan-Feb '72

On the horizon: A nuclear Merchant Marine? James D. Hessman. illus Sea Power 15:6-11 Nov '72

Piecing together the maritime jigsaw. Larry C. Manning. illus Sea Power 15:27-32 Nov '72

To use the sea. Lane C. Kendall. illus US Nav Inst Proc 98:58-67 Dec '72

The U.S. shipping emergency of the seventies. RADM George H. Miller and Max C. McLean. illus US Nav Inst Proc 98:142-157 May '72

The versatile, vulnerable container ship. Col Frank B. Case. illus US Nav Inst Proc 98:48-53 Feb '72

Whatever happened to the Nixon maritime program? Irwin M. Heine. illus Sea Power 15:23-27 May '72

Statistics

Merchant shipping data. Tables only. US Nav Inst Proc 98:332-333 May '72

MERCY MISSIONS

Air Force humanitarian efforts receive worldwide acclaim. Contact 26:9+ May-Jun '72

God's kingdom of flying men. (Mission Aviation Fellowship of Fullerton, Calif) Martin Cole. illus Am Avn Hist Soc J 17:36-39 Spring '72

Lockheed's Hercules--the goodwill aircraft. illus Interavia 27:647-649 Jun '72

Mercy logistics. (Army Alaska's rescue operations) illus Army Log 4:26-29 Nov-Dec '72

Relief flights follow floods. AF Times 32:44 Jul 12 '72

MERCY MISSIONS - Continued

394 refugees flee Pleiku aboard 90-passenger USAF C-141. Maj Larry Means. illus Armed Forces J 109:20 Jun '72

U.S., Philippines unite to provide giant flood aid. illus AF Times 33:28 Aug 30 '72

MERRELL, Jack G.

AFLC--lifeline of the aerospace team. por AF Mag 55:84-87 May '72

Merrell retires after 33 years. por AF Times 33:2 Aug 16 '72

METEOROLOGICAL STATIONS see Weather Stations

METEOROLOGYSee also

Weather

International organisations: WMO (World Meteorological Organization). Interavia 27:1213 Nov '72

The weather career field. illus Contact 26:6 Jan-Feb '72

METEORS AND METEORITES

Third meteorite contains amino acids. Space World I-3-99:30 Mar '72

METHODOLOGYSee also

subdivision Methodology under specific subjects

METRIC SYSTEM see Weights and Measures

MEYER, John C.

The Air Force and national security. (Address, Jacksonville Chamber of Commerce Dinner, Little Rock AFB, Ark, Dec 10, 1971) Gen John C. Meyer. AF Plcy Ltr for Comdrs: Sup No. 2:28-32 Feb '72

Air superiority into the 1980s. Gen John C. Meyer. illus Aerosp Intl 8:32-34 May-Jun '72

Better resource management. Gen John C. Meyer. por AF Compt 6: back cover Oct '72

(Gen John C.) Meyer takes SAC reins; (Gen Bruce K.) Holloway to advisor job (and other stars reassigned). AF Times 32:8 May 17 '72

Meyer lauds SAC peace-keeping. AF Times 32:51 Jul 19 '72

Meyer to assume command of SAC (and other general officer news announced). AF Times 32:3 Mar 22 '72

SAC--hard core of the U.S. deterrent. por AF Mag 55:56-60 May '72

MICHAELIS, John H.

In Korea, quiet but watchful vigilance. Gen John H. Michaelis. por Army 22:67-72 Oct '72

MICROFILM AND MICROFILM RECORDS

Administration systems management: More modernization needed. TIG Brief 24:15-16 Mar 10 '72

NARF (Naval Air Rework Facility)--plugging in the library. illus Govt Exec 4:20 Mar '72

MICROFILM AND MICROFILM RECORDS - Continued

Photo records prove worth. Arthur Stewart. illus  
Translog 3:20 Aug '72

Policy for microforms. TIG Brief 24:6 Nov 24 '72

MICRONESIA

Civic Action: A new role for Prime BEEF. Capt  
Max W. Day. illus map Mil Engr 64:108-109  
Mar-Apr '72

Confusion in the confetti islands--uncertainty clouds  
U.S. future in strategic Micronesia. Lawrence  
Griswold. illus map Sea Power 15:12-17 Nov '72

Foreign RelationsJapan

Turmoil in paradise: Micronesia at the crossroads.  
Capt James H. Webb. illus map US Nav Inst Proc  
98:26-37 Jul '72

United States

Turmoil in paradise: Micronesia at the crossroads.  
Capt James H. Webb. illus map US Nav Inst Proc  
98:26-37 Jul '72

MICROWAVES

Advanced microwave receiving system. J. P. Schoen-  
berg. illus Signal 27:19-21 Dec '72

Communications systems planning. Preston E. Law.  
tab Signal 27:22-26 Dec '72

Microwave cataractogenesis: A critical review of the  
literature. William C. Milroy and Sol M. Michael-  
son. Aerosp Med 43:67-75 Jan '72

MID-CANADA EARLY WARNING LINE see Distant  
Early Warning Systems

MIDDLE EAST

The bear on the roof--Soviet power encircles  
Persian Gulf. Lawrence Griswold. illus map  
Sea Power 15:20-25 Jun '72

Escalation or detente in the Middle East. LtCol  
James B. Peabody. illus tab Mil Rev 52:35-49  
Apr '72

Events in the Middle East and Asia (varies slightly).  
A. H. S. Candlin. Regular feature in some issues  
of Army Quarterly and Defence Journal

Nationalism: Curse or cure for the Middle East?  
LtCol James B. Peabody. illus Mil Rev 52:12-21  
Nov '72

Soviet motivation in the Middle East. Maj Jay C. Mum-  
ford. illus map Mil Rev 52:40-49 Sep '72

The Soviet Union and the Middle East: The high cost  
of influence. Robert O. Freedman. illus Nav War  
Col Rev 24:15-34 Jan '72

The Soviet Union in the Middle East: A real or  
imagined threat? Capt Allen N. Grenadier. Fld  
Artilleryman No. 49:29-34 Feb '72

Watch on the Suez. William Beecher. illus tab Army  
pt 1, Egypt's noisy silent partner. 21:10-13  
Nov '71; pt 2, Israel weighs the options. 21:28-32  
Dec '71; pt 3, Jordan: On the razor's edge. 22:  
41-44 Jan '72

The West and the Middle East. John C. Campbell and  
Helen Caruso. illus Mil Rev 52:75-83 Oct '72

MIDDLE EAST - ContinuedHistory

Arab generalship from Muhammad, the prophet, to  
Ibn Saud, the lord of Arabia. Maj P. G. Boxhall.  
map Army Qtr pt 1, Muhammad the founder of  
Islam. 101:457-462 Jul '71; pt 2, Khalid ibn Walid,  
"Sword of God." 102:101-107 Oct '71; pt 3,  
Amr ibn al Aasi--conqueror of Egypt. 102:338-  
343 Apr '72

Strategic Importance

Soviet motivation in the Middle East. Maj Jay C. Mum-  
ford. illus map Mil Rev 52:40-49 Sep '72

The Soviets in the Middle East. David G. Nes. illus  
Mil Rev 52:80-85 Jun '72

MIDDLE EAST CRISIS, 1967See also

Arab-Israeli Conflict, 1967-

The financial impact of the six-day war on the  
economy of Israel. Rena Gutman. illus tabs  
Armed Forces Compt 17:4-9+ Winter '72

Israeli helicopter forces: Organization and tactics.  
Maj Thomas J. Marshall. illus Mil Rev 52:94-99  
Jul '72

A short history of the Israeli Air Force. illus  
Aerosp Hist 19:10-17 Mar '72

MILEY, Henry A., Jr

Blueprint for acquisition of Army materiel. Gen  
Henry A. Miley, Jr. illus Army Log 4:4-7 Sep-  
Oct '72

New systems, lab discoveries mark AMC's 10th year.  
Gen Henry A. Miley, Jr. por Army 22:36-39  
Oct '72

MILITARISM

American civil-military relations in the 1980's. Col  
Richard F. Rosser. illus Nav War Col Rev 24:6-23  
Jun '72

The American military: A reappraisal. Richard A.  
Aliano. illus Mil Rev 52:51-57 Jan '72

Antimilitarism in America. Herman S. Wolk. illus  
AU Rev 23:20-25 May-Jun '72

Civil-military relations in the 1980s. Col Richard F.  
Rosser. Mil Rev 52:18-31 Mar '72

The descending spiral of amilitarism. Col Richard F.  
Rosser. illus AF Mag 55:64-69 Jun '72

Last muster for the citizens' Army? LT Philip J.  
Katauskas. illus US Nav Inst Proc 98:61-67  
Feb '72

Mood quiets on campus--anti-militarism fades. AF  
Times 32:21 Feb 16 '72

Of wars and warriors (American style). Vincent  
Davis. Nav War Col Rev 25:20-31 Nov-Dec '72

The pacifist legacy. Morton E. Milliken. illus Army  
22:33-39 Feb '72

Student antimilitarism and its impact on national  
security. LtCol Fred K. Mahaffey. Forum No.  
13:26-51 Fall '71

MILITARY ACADEMIESSee also

Noncommissioned Officers Academies  
Preparatory Schools

Military academies and the challenge of the seventies.  
LtGen Lam Quang Thi. illus Mil Rev 52:90-93  
Mar '72

Great Britain

Sandhurst and after. (Training toward commissions  
in the British Army) Editorial. Army Qtr 102:  
391-394 Jul '72

Russia

Commanders of tomorrow (are trained at V. I. Lenin  
Tashkent Higher Combined Arms Command  
School). Maj L. Rakovsky. illus Soviet Mil Rev  
No. 11:30-33 Nov '72

Spain

Our man in San Javier. (USAF Maj Salvador  
Rodriguez, Allied Exchange Officer at the  
Spanish AF Academy) MSgt Loren B. Leonberger.  
illus Airman 16:42-46 May '72

United States

See also Service academies by name, e. g.,  
Air Force Academy  
Coast Guard Academy, New London, Conn  
Military Academy, West Point, NY  
Naval Academy, Annapolis, Md

Blueing of the gray. (AFROTC at the Citadel) Capt  
Brian T. Ternamian. illus Airman 16:32-34 Oct '72

Undernourished falcons or overfed mules? (Food  
service at West Point, Annapolis and AF Academy)  
Bernadine M. Kopec. illus tab Armed Forces J  
109:26-27 Apr '72

Statistics

Midshipman and cadet profiles and national norms: A  
comparison. Charles L. Cochran. illus tabs Nav  
War Col Rev 24:37-47 May '72

Vietnam (Republic)

Hope for the future. (South Vietnam's Military  
Academy) Jac Weller. illus Natl Guardsman  
26:2-7+ Jul '72

MILITARY ACADEMY, WEST POINT, NY

Academies too costly? Public feels otherwise. Ed  
Gates. AF Times 32:13 Jun 7 '72

Cadets get insurance coverage. AF Times 32:50  
Jul 5 '72

Chapel case cause for concern. George Foster. AF  
Times 33:13 Dec 6 '72

Resignations at West Point. Col Robert D. Heinl, Jr.  
Armed Forces J 109:36 Aug '72

USMA yearlings (class of 1974) promising. Armed  
Forces J 109:11 Jun '72

History

When West Point almost went down the tube. Thomas  
L. Hardin. illus Armed Forces J 110:8-9 Sep '72

MILITARY AFFILIATE RADIO SYSTEM

Military Affiliate Radio System (MARS). TIG Brief  
24:10 Apr 7 '72

MILITARY AID TO FOREIGN COUNTRIES

Army support of coalition security. LtCols Zeb B.  
Bradford, Jr and Frederick J. Brown. illus Mil  
Rev 52:4-21 May '72

Military assistance (and Soviet military advisors--  
1971). map Mil Rev 52:101 Dec '72

U.S. development assistance in the insurgency envi-  
ronment: Gulliver's coming out. (Lecture, Naval  
War College, 1971?) Allan E. Goodman. illus Nav  
War Col Rev 24:13-23 Feb '72

U.S. monopolies and the war business. I. Yermachen-  
kov. Soviet Mil Rev No. 10:57-58 Oct '72

We'll have to do it, their way. (Military advisors in a  
new era) Col Obel H. Wells. illus Army 22:24-27  
Sep '72

Africa

Military assistance to Black Africa--blessing or  
curse? Lt Bryant P. Shaw. illus map AU Rev  
23:72-78 May-Jun '72

Egypt

Watch on the Suez. William Beecher. illus tab Army  
pt 1, Egypt's noisy silent partner. 21:10-13  
Nov '71; pt 2, Israel weighs the options. 21:28-32  
Dec '71; pt 3, Jordan: On the razor's edge. 22:  
41-44 Jan '72

Latin America

A revitalized MAP for Latin America. Cpl Walter B.  
Deering. illus Mil Rev 52:69-75 Nov '72

MILITARY AIRLIFT COMMANDSee also

Aerospace Audio-Visual Service  
Aerospace Rescue and Recovery Service  
Air Force, 21st  
Air Weather Service

Combat Airlift Competition, 1971. Maj Francis X.  
Defonce and Capt Clark J. Kholos. illus Navigator  
19, No. 1:5-7 '72

'Detector' test a success--six bases to get devices.  
AF Times 32:37 Mar 29 '72

An exceptional unit: Charleston's 76th MASq (cele-  
brates 20th anniversary). 1stLt Don Schaefer.  
illus MAC Flyer 19:16-18 Aug '72

(Gen Jack J.) Catton to head AFLC, (LtGen George  
B.) Simler going to MAC (and other general offi-  
cer action announced). AF Times 33:2 Aug 16 '72

General (Paul K.) Carlton named MAC commander.  
illus Def Trans J 28:59 Nov-Dec '72

House panel vetoes proposed sealift (procurement)  
shift. Armed Forces J 109:12-13 Jan '72

Journey to the ice. Robert P. Everett. illus Airman  
16:24-28 Mar '72

(LtGen) Carlton selected MAC commander (and other  
general officer activity announced). AF Times  
33:55 Oct 4 '72

Lines lose bid to get larger slice of cargo. AF Times  
32:4 Apr 12 '72

MAC airlifting missions surge. AF Times 33:62  
Aug 9 '72

MAC antihijacking program. TIG Brief 24:7 Apr 7 '72



MILITARY AIRLIFT COMMAND - Continued

- MAC--its middle name is airlift. illus tab chart AF Mag 55:75-79 May '72
- MAC keeps 'private air line.' tab Armed Forces J 109:10-11 May '72
- MAC transportation authorization copies in support of travel payments. TIG Brief 24:8 Sep 1 '72
- MAC transportation procurement policies. MajGen Ray M. Cole. illus Def Trans J 28:28-32 Jan-Feb '72
- MAC's role in Deep Freeze. Edward J. Belz. illus AU Rev 23:34-43 May-Jun '72
- Military airlift in Southeast Asia. Interview. Gen Jack J. Catton. illus AF Mag 55:47-49 Oct '72
- New commanders named for Military Airlift Command, Army Transportation Center. Translog 3:17 Oct '72
- '73 airlift contracts total \$131 million. AF Times 32:10 May 24 '72
- The planet mappers. (USAF photomappers) Gene Smith. illus AF Mag 55:64-70 Jul '72
- Roll of honor as of 1 January 1972. Tables only. MAC Flyer 19:16-17 Mar '72
- Sealift goes mufti as airlift builds in-house capability. James D. Hessman. Armed Forces J 109:42 Mar '72

MILITARY ART AND SCIENCESee also

- Attack and Defense (Military Science)
- Interdiction
- Strategy
- Surprise in Warfare
- Tactics
- Clausewitz in the 1970s--Rx for dilemma. Col George W. Smith. illus Mil Rev 52:85-93 Jul '72
- The gods and the big battalions. Capt I. D. P. Thorne. illus RUSI J for Def Studies 117:58-60 Jun '72
- An introduction to the Chinese military classics. VAdm Ko Tun-hwa. illus Mil Rev 52:66-74 Oct '72
- Mathematics and military science. LtCol Carl M. Guelzo, Ret. illus Mil Rev 52:32-40 Jan '72
- The principles of war revisited. Roger A. Beaumont. illus Mil Rev 52:63-69 Dec '72

MILITARY ASSISTANCE ADVISORY GROUP

- The art of advisorship. BrigGen Thomas W. Bowen. illus Armor 81:6-8 Sep-Oct '72
- Reflections of a MAAG tour. Maj Richard A. Miller. illus MarCor Gaz 56:41-44 Mar '72
- We'll have to do it their way. (Military advisors in a new era) Col Obel H. Wells. illus Army 22:24-27 Sep '72

MILITARY ASSISTANCE PROGRAM see Security Assistance ProgramMILITARY BASESSee also

- Air Bases
- Inactivation of Installations and Units
- Marine Corps Bases
- Missile Bases
- Naval Bases

MILITARY CEREMONIES, HONORS AND SALUTES

- Awardee, front and center. (The ritual of presentation) John Kidner. illus Soldiers 27:50-51 Dec '72

MILITARY CIVIC ACTION see Civic Action ProgramMILITARY-CIVIL RELATIONSSee also

- Legislative Liaison
- An all-volunteer Army: A dialog. illus Mil Rev pt 1, The dangers of an all-volunteer Army. David Syrett and Richard H. Kohn. 52:70-74; pt 2, Another view of an all-volunteer Army. LtCol Harry G. Summers, Jr. 52:75-79 Jun '72
- American civil-military relations in the 1980's. Col Richard F. Rosser. illus Nav War Col Rev 24:6-23 Jun '72
- The American military: A reappraisal. Richard A. Aliano. illus Mil Rev 52:51-57 Jan '72
- Armies and societies: Three case studies. LtCol William L. Hauser. illus Mil Rev pt 1, The new German Army. 52:4-14 Jul '72; pt 2, The French Army after Algeria. 52:2-12 Aug '72; pt 3, The British Army at the end of the empire. 52:3-15 Sep '72
- The Army and society. LtCol Frederic J. Brown. illus Mil Rev 52:3-17 Mar '72
- The Chinese People's Liberation Army and political socialization. LtCol George K. Osborn. illus Parameters 1:22-27 Winter '72
- Civil-military relations in the 1980s. Col Richard F. Rosser. Mil Rev 52:18-31 Mar '72
- Civilianism, civilianization, and the Military Services. CAPT J. C. Sandsberry. illus US Nav Inst Proc 98:62-67 Nov '72
- Communications-electronics and the government: 1972 and beyond. L. Berkeley Davis. Signal 26:26-29 Jun '72
- Conventional versus nuclear power for CVA-67: A study of Defense management. Allan A. Spitz. illus Nav War Col Rev 24:3-14 Apr '72
- The decline and fall of the Joint Chiefs of Staff. (Research paper, College of Naval Command and Staff, 1971) LtCol William A. Hamilton III. illus Nav War Col Rev 24:36-58 Apr '72
- The decline of the mass Army. (Adapted from address, Inter-University Seminar on Armed Forces and Society Conference, Chicago, Nov 18-20, 1971) Morris Janowitz. illus Mil Rev 52:10-16 Feb '72
- The Defense budget: Does security compete with domestic needs? Seymour Melman. Persp in Def Mgt, pp 7-14, Spring '72
- The descending spiral of amilitarism. Col Richard F. Rosser. illus AF Mag 55:64-69 Jun '72
- High commands get watchdogs. AF Times 33:3 Nov 8 '72
- Honeywell defends military business--shift in attitude? Bruce Callander. AF Times 32:13 May 17 '72
- Last muster for the citizens' Army? LT Philip J. Katauskas. illus US Nav Inst Proc 98:61-67 Feb '72
- A military ombudsman. (West German Defence Commissioner) Dennis Chaplin. RUSI J for Def Studies 117:61-64 Mar '72

MILITARY-CIVIL RELATIONS - Continued

Modern realities in naval and foreign affairs. CAPT Howard C. Bucknell III, Ret. illus maps US Nav Inst Proc 98:32-40 Dec '72

A new style of military for the United States: A recommendation. WgComdr Raymond G. Funnell. illus AU Rev 24:63-67 Nov-Dec '72

Old problem: New setting. (Riots and insurrections) Gen Richard Gale. illus RUSI J for Def Studies 117:43-46 Mar '72

On using swords as plowshares. illus AF Times pt 1, The dust off dividend (Military Assistance to Safety and Traffic (MAST)). Andrew Schneider. Family sup:8+; pt 2, Peaceful uses of military forces. Albert D. Biderman. Family sup:9+ Oct 18 '72

The President and the military. Morton H. Halperin. (Reprinted from Foreign Affairs, Jan 1972) illus Mil Rev 52:50-61 Apr '72

The profession of arms in Canada today. Comdr R. F. Barnes. (Reprinted from Canadian Defence Quarterly, Spring 1972) illus Mil Rev 52:48-56 Aug '72

The Reserves and National Guard: Their changing role in national defense. John R. Probert. illus Nav War Col Rev 24:66-75 May '72

Revolution from within: Changing military perspectives in Peru. (Research paper, College of Naval Command and Staff) Maj James L. Williams. Nav War Col Rev 25:43-60 Nov-Dec '72

The role of the communications media in a democratic society. (Lecture, Naval War College, 1971?) Barry Zorthian. illus Nav War Col Rev 24:1-7 Feb '72

The Senator wants more analysis (of retired officers in defense industry)--but what kind? Interview. William Proxmire. Armed Forces J 109:38+ May '72

The Soviet Navy's role in foreign policy. CDR Richard T. Ackley, Ret. illus tabs maps Nav War Col Rev 24:48-65 May '72

Student antimilitarism and its impact on national security. LtCol Fred K. Mahaffey. Forum No. 13:26-51 Fall '71

Volunteer Armed Forces and military purpose. Morris Janowitz. (Digested from Foreign Affairs, April 1972) Mil Rev 52:15-22 Jul '72

History

A historian looks at the Army. Russell F. Weigley. illus Mil Rev 52:25-36 Feb '72

MILITARY CONFERENCES see Conferences, Military

MILITARY CORRESPONDENCE see Correspondence, Military

MILITARY DEPENDENTS see Dependents, Military

MILITARY EDUCATION see Education, Scientific; Education, Technical; Education and Training

MILITARY ENGINEERING

Architect/engineers and military construction. (Army, Navy and Air Force construction programs) (Adapted from papers, Architect/Engineer Conference on Federal Agency Construction Programs, St Louis, Nov 30, 1971) MajGen D. A. Raymond, RADM D. G. Iselin and MajGen M. R. Reilly. illus Mil Engr 64:166-169 May-Jun '72

MILITARY ENGINEERING - Continued

Artesian pressures at lift lock. Jimmy D. Stevens. illus Mil Engr 64:170-171 May-Jun '72

Environmental quality and military construction. Fanning M. Baumgardner. illus Mil Engr 64:237-238 Jul-Aug '72

Military engineering today--the role of the Royal Engineers. Brig S. E. M. Goodall. illus RUSI J for Def Studies 117:19-21+ Mar '72

The rational method (for computation of runoff from small watersheds). Capt Charles C. McCloskey III. illus map tabs Mil Engr 64:28-29 Jan-Feb '72

EquipmentExhibitions

British Military Engineering Week. (Exhibition and symposium arranged by Ministry of Defence) illus tab Intl Def Rev 5:409-412 Aug '72

History

Eupalinus--military engineer. RADM Charles W. Thomas, Ret. illus Mil Engr 64:246-247 Jul-Aug '72

Study and Teaching

(Continuing education for the engineer) (Adapted from papers and discussions, Technical Session, 52d Annual Meeting, Society of American Military Engineers, Annapolis, May 12, 1972) Charles J. Merdinger and others. Mil Engr 64:227-232 Jul-Aug '72

MILITARY EXPORT SALES see Arms Sales

MILITARY HISTORIANS

The Air Force historical program. Aerosp Hist 19:119 Sep '72

Mahan: The influence of a historian on history. Edward Bernard Glick. illus Mil Rev 52:31-34 Apr '72

MILITARY HISTORY

See also subdivision History under specific Services

Arab generalship from Muhammad, the prophet, to Ibn Saud, the lord of Arabia. Maj P. G. Boxhall. map Army Qtr pt 1, Muhammad the founder of Islam. 101:457-462 Jul '71; pt 2, Khalid ibn Walid, "Sword of God." 102:101-107 Oct '71; pt 3, Amr ibn al Aasi--conqueror of Egypt. 102:338-343 Apr '72

A fresh look at history in the Air Force. (Address, History Club Dining-In, USAF Academy, Colorado Springs, Nov 4, 1971) MajGen Robert N. Ginsburgh. AF Plcy Ltr for Comdrs: Sup No. 2:18-25 Feb '72; Adaptation. Aerosp Hist 19:114-118 Sep '72

Further reflections on the indirect approach. Brian Bond. Royal United Svcs Inst for Def Studies J 116:69-70 Dec '71

Future high command. GpCapt I. M. Pedder. (Condensed from Royal Air Forces Quarterly, Spring 1972 and Summer 1972) Mil Rev 52:14-24 Dec '72

A historian looks at the Army. Russell F. Weigley. illus Mil Rev 52:25-36 Feb '72

History and the military. Stanley Sandler. illus Mil Rev 52:26-31 Jan '72



MILITARY HISTORY - Continued

History or logic as approaches to strategy. K. Booth. illus RUSI J for Def Studies 117:34-39 Sep '72

An introduction to the Chinese military classics. VAdm Ko Tun-hwa. illus Mil Rev 52:66-74 Oct '72

Lessons in preparedness. VADM H. G. Rickover. Ordnance 56:288-291 Jan-Feb '72

Mahan: The influence of a historian on history. Edward Bernard Glick. illus Mil Rev 52:31-34 Apr '72

Military history and the junior officer. Capt Thomas E. C. Margrave. illus Armor 81:38-42 Mar-Apr '72

The military history buffs: Popularizing the unpopular. (Includes directory of organizations and publications) Brooke Nihart. Armed Forces J 109:34-35 Aug '72

Military history for the military professional. Benjamin F. Cooling III. illus Parameters 1:28-35 Winter '72

Military leadership at the threshold of the 21st century. GpCapt I. M. Pedder. Royal Air Forces Qtr pt 1, 12:16-21 Spring '72; pt 2, 12:77-84 Summer '72

Twenty-five years of military history, 1945-1970. John Terraine. Royal United Svcs Inst for Def Studies J 116:13-23 Dec '71

What sort of recruit? Maj Reginald Hargreaves, Ret. illus Mil Rev 52:58-67 Jan '72

MILITARY LAWGreat BritainHistory

The first Mutiny Act--its antecedents and some developments. R. E. Scouller. Army Qtr 102:330-337 Apr '72

United StatesSee also

Court of Military Appeals  
Courts-Martial  
Uniform Code of Military Justice

Against discrimination: Law or policy? Maj Ned E. Felder. illus Army 22:39-40 Jan '72

Comment--Article 15 punishments. Capt Burress M. Carnahan. illus AF JAG L Rev 13:270-286 Fall '71

Congressional Legislation Division and the legislative process. Col James Taylor, Jr and Maj Cecil W. Williams. illus AF JAG L Rev 14:84-99 Spring '72

Expanded USAF Trial Judiciary. TIG Brief 24:22 Sep 1 '72

A life in his hands. (AF attorney Capt John O'Reilly) Sgt Dave Cole. illus Airman 16:2-6 Jun '72

Military Court load grows. Bruce Covill. AF Times 33:13 Oct 11 '72

Military justice--a system for the seventies. LtCol George D. Schrader. illus AU Rev 23:44-49 May-Jun '72

Military justice before the bar. LtCol Albert N. Garland, Ret. Army 22:27-29 Jan '72

Moves urged to end (racial) bias--Task Force reports. AF Times 33:5 Dec 20 '72

MILITARY LAW - ContinuedUnited States - Cont'd

Multiplicity in the military. Maj Roger A. Jones. illus AF JAG L Rev 13:232-250 Fall '71

Race bias report expected by July. AF Times 32:2 May 3 '72

The T-3 incident. (Fatal shooting on Navy Arctic drifting ice station) RADM C. O. Holmquist. illus US Nav Inst Proc 98:44-53 Sep '72

The undesirable discharge: Administrative tool or back-door court? Capt Jack F. Lane, Jr. illus Army 22:19-23 Nov '72

MILITARY LIFESee also

Seamanship

Biggest selling job: Right image--competing in the open market. Bruce Callander. AF Times 32:13 Jul 19 '72

Building a "new" Army: Results begin to show. (Reprinted from U.S. News & World Report, March 6, 1972) illus Soldiers 27:32-33 Apr '72

Career (motivation) meeting (at Maxwell AFB, Ala) seeks 'purpose.' Bruce Callander. AF Times 32:1+ Jun 21 '72

George Knight Clowes Memorial Prize Essay, 1971: (Training soldiers to be self-sufficient). Lt E. A. Smith. Army Qtr 102:475-482 Jul '72

"Give me a responsible job and leave me alone." (Young people in the Service rap with the Journal) Thomas C. Steinhauser. illus Armed Forces J 109:40-41 May '72

How is life, soldier? Three generals and a military journalist reply to a letter from a soldier's mother. Soviet Mil Rev No. 2:12-14 Feb '72

Improving the quality of Air Force living. (Remarks. Officers' Wives Club, Bolling AFB, Washington, Oct 14, 1971) Gen John D. Ryan. AF Plcy Ltr for Comdrs: Sup No. 1:2-7 Jan '72

Just follow the rainbow toward the Army of tomorrow. (SSgt William Slease directs Modern Volunteer Army Office in the Pentagon) MSgt Jack Holden. illus Soldiers 27:37-41 Mar '72

Manpower chief (Roger T. Kelley) raps military 'try-out' plan. AF Times 32:20 Mar 1 '72

Modern Volunteer Army (MVA). 1stLt Jonathan H. Fussner. illus Fld Artilleryman No. 49:65-71 Feb '72

Most recruits in poll undecided on re-upping. AF Times 33:42 Sep 20 '72

A need for personal response. SSgt R. W. Harig. illus MarCor Gaz 56:35-41 Aug '72

The new German soldier--maximum freedom, minimum order. Lee Ewing. illus AF Times, Family sup:6-7+ Jul 19 '72

Rolling (across U.S.) and rapping (about Army life). SP4 Chuck Noland. illus Soldiers 27:10-13 Jan '72

Taming of a paradox; the challenges of a volunteer Army. Augustus Thomas. illus Army 22:10-18 May '72

Wives air housing, store gripes--no children in commissaries? (AF Career Motivation Conference, Maxwell AFB, Ala, June 5-9, 1972) Sue Toma. AF Times 33:8 Aug 23 '72



MILITARY LIFE - ContinuedHistory

Depression Army. Col John M. Collins. illus tab  
Army 22:8-14 Jan '72

Lord de Grey and Army reform 1859-1866. Anthony  
Denholm. Army Qtr 102:57-64 Oct '71

MILITARY MANPOWER see Manpower, Military

MILITARY MEDICINE

'Desperate diseases demand desperate remedies'--  
a special report from USAF's Wilford Hall Medi-  
cal Center (on total body perfusion). illus AF Mag  
55:72-73 Jul '72

Heal that burn (at Brooks Army Medical Center's  
Institute of Surgical Research, Fort Sam Houston,  
Tex). SP4 Chuck Noland. illus Soldiers 27:40-43  
Feb '72

The place to be. (Army Research Institute of En-  
vironmental Medicine at Natick Laboratories)  
SP4 Chuck Noland. illus Soldiers 27:42-45  
Aug '72

The state of health of Navy medicine. CDR Peter A.  
Flynn. illus chart US Nav Inst Proc 98:45-51  
Aug '72

Study and Teaching

Caduceus in uniform--Hebert military medical school  
offers quantum jump in training. Joseph Volz.  
illus Sea Power 15:13-18 Feb '72

MILITARY MUSIC see Music, Military

MILITARY OCCUPATION

General Leonard Wood: Nationbuilder. LtCol John H.  
Napier III. illus Mil Rev 52:77-86 Apr '72

Maintaining the status quo (in Cyprus). Capt Len  
Dent. (Reprinted from Sentinel, April 1971) Royal  
Air Forces Qtr 12:113-117 Summer '72

MILITARY OCCUPATION SPECIALTY see Personnel  
Classification--Army--U.S.

MILITARY OFFENSES see Crimes and Misdemeanors

MILITARY PLANNING

Action styles and management game performance: An  
exploratory consideration. (Research paper, Naval  
War College) John M. Roberts and others. tabs  
Nav War Col Rev 24:65-81 Jun '72

Air Force war plans. TIG Brief 24:11 Sep 29 '72

The computer and MATCH (MTMTS Automated  
Transportation sCHeduler) are here to stay.  
Edward B. Spoonamore. illus Translog 3:15-16  
Mar '72

Digital systems in the strategic context and DCA  
planning activities. (Address, AFCEA, Washington,  
June 8, 1972) BrigGen Herbert A. Schulke, Jr.  
Signal 26:54-56 Jul-Aug '72

Ends and means. Col Charles F. Bunnell, Jr. illus  
MarCor Gaz 56:27-34 Aug '72

A flexible ship and a more responsive Navy. F. W. S.  
Locke, Jr and Virginia Withington. illus tab Nav  
War Col Rev 25:54-70 Sep-Oct '72

Foreign policy and military force planning. Arnold  
M. Kuzmack. illus Mil Rev 52:13-22 Aug '72

MILITARY PLANNING - Continued

Joint tactical communications program. (Address,  
AFCEA, Washington, June 7, 1972) BrigGen  
Charles E. Williams, Jr. illus Signal 27:22-24  
Sep '72

Logistics and the Army Planning System. LtCol  
James D. Smith. illus chart Army Log 4:16-19  
Sep-Oct '72

Planning NATO's forces. O. Caracciolo di Forino.  
illus NATO's Fifteen Nations 16:74-75+ Dec '71-  
Jan '72

Preparing for a generation of peace: A strategic  
concept responsive to a Presidential mandate.  
Col Alonzo J. Walter, Jr. illus AU Rev 23:12-19  
May-Jun '72

The Single Integrated Operational Plan (SIOP). Capt  
Mark D. Mariska. illus Mil Rev 52:32-39 Mar '72

Toward more credible force planning. LtCol James  
B. Agnew and others. illus tabs Mil Rev 52:40-51  
Mar '72

Winners and losers: A conceptual barrier in our  
strategic thinking. Ralph E. Strauch. AU Rev 23:  
33-44 Jul-Aug '72

MILITARY POLICE

Airmen with silver stripes. (JCS's Military Security  
Force) Sgt Dave Cole. illus Airman 16:34  
Aug '72

The fuzz also fly. Maj Walter J. Chrobak. charts illus  
USA Avn Dig 18:24-25 Oct '72

Haircut duty trims for SP. AF Times 32:3 Jan 5 '72

Joint police unit 'patrols' NY. AF Times 32:54  
Jun 7 '72

New kind of cop. (SSgt Rene Pommerelle teaches Ju  
Jutsu to security police) Maj Richard Tillery.  
illus Airman 16:6-8 Nov '72

SP guide details search restraints (of female  
suspects). AF Times 32:15 Mar 22 '72

SPs urge career changes. AF Times 33:17 Dec 6 '72

Security Police Elements for Contingencies (SPECS),  
AFR 125-32. TIG Brief 24:15 Nov 10 '72

WAF begin SP duty. AF Times 32:2 Jan 19 '72

MILITARY POLICY

Crisis management--a vocation for the Armed  
Forces. Dennis Chaplin. Army Qtr 102:303-319  
Apr '72

Canada

Canadian defence policy. Peter Silverman. illus  
Royal United Svcs Inst for Def Studies J 116:40-45  
Dec '71

Defence: The great Canadian fairy tale. Col Strome  
Galloway. Army Qtr 102:419-426 Jul '72

China (People's Republic)

Communist China's land forces. Niu Sien-Chong.  
NATO's Fifteen Nations 17:65-68+ Jun-Jul '72

Mainland China after Mao. Col Richard F. Staar. illus  
maps MarCor Gaz 56:18-26 Oct '72

Denmark

The cork in the Baltic bottle. Lawrence Griswold.  
maps illus Sea Power 15:9-13 Jan '72

MILITARY POLICY - ContinuedGermany (Federal Republic)

Mobile defense. Paul Carell. (Trans and condensed from a German publication) illus Mil Rev 52:77-82 Feb '72

National strategies within the Alliance: West Germany. Carl H. Amme, Jr. NATO's Fifteen Nations 17: 76+ Aug-Sep '72

Great Britain

The anatomy and management of Defence. AM John Barraclough. illus Hawk No. 33:11-18 Feb '72

Arousing public interest in defence. SqLdr B. J. Jackson. Royal Air Forces Qtr 12:23-30 Spring '72

Defence Forces in Parliament. Regular feature in some issues of Royal Air Forces Quarterly

Meeting the new threat--the UK plans a flexible response. illus tab Interavia 27:960-963 Sep '72

Some antecedents of British defence policy. Philip C. Brooks. Army Qtr 102:70-80 Oct '71

Who sank the carriers? What went on in Whitehall--lessons we must never forget. illus Air Pict 34:48-50 Feb '72

History

Singapore 1942: Some warnings. K. Booth. Army Qtr 102:191-200 Jan '72

Japan

Power in search of purpose. (Japan's future role in the balance of power) Terrell E. S. Arnold. Forum No. 13:70-91 Fall '71

NATO

Theatre Air Forces and tactical nuclear weapons. Maj E. van Veen. illus NATO's Fifteen Nations 17:34-39+ Aug-Sep '72

Russia

The development of Soviet military policy. LtCol John G. Pappageorge. illus Mil Rev 52:36-43 Jul '72

Foundations of the Soviet military doctrine. Col P. Sidorov. Soviet Mil Rev No. 9:14-15 Sep '72; Mil Rev 52:89-91 Dec '72

The Soviet Marines. Charles G. Pritchard. illus US Nav Inst Proc 98:18-30 Mar '72

The Soviet tactical Air Force and tactical nuclear weapons. Maj E. van Veen. illus NATO's Fifteen Nations 17:42-44+ Aug-Sep '72

Scandinavia

The cork in the Baltic bottle. Lawrence Griswold. maps illus Sea Power 15:9-13 Jan '72

United States

Allies or hirelings? Col Waller B. Booth, Ret. illus Army 22:43-47 May '72

American ground power after Vietnam. LtCol Zeb B. Bradford, Jr. illus Mil Rev 52:4-13 Apr '72

Another view of the need for change. Col Richard M. Jennings. illus Mil Rev 52:82-94 Sep '72

MILITARY POLICY - ContinuedUnited States - Cont'd

Antimilitarism in America. Herman S. Wolk. illus AU Rev 23:20-25 May-Jun '72

Balance of security. John S. Foster, Jr. illus Ordnance 57:44-47 Jul-Aug '72

Challenges ahead for young leaders. (Remarks, Junior Officers Council Dining-Out, Langley AFB, Va, Nov 19, 1971) Robert C. Seamans, Jr. AF Plcy Ltr for Comdrs: Sup No. 2:2-8 Feb '72

A critique of realistic-deterrence strategy. Gen Maxwell D. Taylor, Ret. Persp in Def Mgt, pp 1-10, Autumn '72

The decline and fall of the Joint Chiefs of Staff. (Research paper, College of Naval Command and Staff, 1971) LtCol William A. Hamilton III. illus Nav War Col Rev 24:36-58 Apr '72

The development process and stability operations. Raymond J. Barrett. illus Mil Rev 52:58-68 Nov '72

Foreign policy and military force planning. Arnold M. Kuzmack. illus Mil Rev 52:13-22 Aug '72

The kind of aerospace power we need. (Address, Aero Club of Washington, July 18, 1972) Robert C. Seamans, Jr. AF Plcy Ltr for Comdrs: Sup No. 9:2-6 Sep '72

Meeting our commitments. (Address, Des Moines Chamber of Commerce Armed Forces Day Luncheon, May 19, 1972) Gen John D. Ryan, AF Plcy Ltr for Comdrs: Sup No. 7:2-5 Jul '72

The military and national interests. Col Robert Leider and Col C. F. Bunnell. illus MarCor Gaz 56:26-35 Nov '72

The military outlook in the Far East. (Address, AUSA Annual Meeting, Washington, Oct 13, 1971) ADM John S. McCain, Jr. AF Plcy Ltr for Comdrs: Sup No. 1:16-28 Jan '72

The Military Posture of these United States. (Resolution No. 2, NGAUS 94th General Conference, San Francisco, Sep 13, 1972) Natl Guardsman 26:28 Nov '72

New carrier concepts and the CVN-70. Norman Polmar. illus tab Sea Power 15:6-12 Mar '72

The nuclear carrier and modern war. (Prize Essay, 1972, 1st Honorable Mention) CAPT Paul Schratz, Ret. illus US Nav Inst Proc 98:18-25 Aug '72

On positive thinking in the Army. LtCol Robert M. Joyce. Persp in Def Mgt, pp 69-73, Spring '72

On using swords as plowshares. illus AF Times pt 1, The dust off dividend (Military Assistance to Safety and Traffic (MAST)). Andrew Schneider. Family sup:8+; pt 2, Peaceful uses of military forces. Albert D. Biderman. Family sup:9+ Oct 18 '72

The Reserves and National Guard: Their changing role in national defense. John R. Probert. illus Nav War Col Rev 24:66-75 May '72

The role of the Air Force in the 1980s. (Address, American Ordnance Assoc, Eglin AFB, Fla, Oct 4, 1972) MajGen Leslie W. Bray. AF Plcy Ltr for Comdrs: Sup No. 11:17-24 Nov '72

Strategic mobility and the Nixon doctrine. Col Rodman C. Rainville. Forum No. 14:102-116 Winter '71

MILITARY POLICY - ContinuedUnited States - Cont'd

Strategic preparedness. Gen Bruce K. Holloway, Ret. illus Ordnance 57:48-50 Jul-Aug '72

A strategy of flexible response. LtCol Peter F. Witteried. illus Parameters 2:2-16 Spring-Summer '72

The total force concept: An Air Force view. LtCol Richard J. Toner. illus AU Rev 24:2-9 Nov-Dec '72

The United States at a strategic crossroads. VADM Stansfield Turner. illus US Nav Inst Proc 98:18-25 Oct '72

The view from Capitol Hill. Interview. Barry Goldwater. illus Natl Guardsman 26:2-7 Mar '72

History

Flexible response and the Marine Corps. LtCol A.E. Andersen. illus MarCor Gaz 56:40-44 Jan '72

MILITARY POWER

See also  
Aerospace Power  
Sea Power

The gods and the big battalions. Capt I.D.P. Thorne. illus RUSIJ for Def Studies 117:58-60 Jun '72

Great Britain

Twenty-five years of military history, 1945-1970. John Terraine. Royal United Svcs Inst for Def Studies J 116:13-23 Dec '71

India

The Indo-Pakistani War. Brig Cyril N. Barclay, Ret. illus map tabs Army 22:20-26 May '72

Israel

Watch on the Suez. William Beecher. illus tab Army pt 1, Egypt's noisy silent partner. 21:10-13 Nov '71; pt 2, Israel weighs the options. 21:28-32 Dec '71; pt 3, Jordan: On the razor's edge. 22:41-44 Jan '72

Pakistan

The Indo-Pakistani War. Brig Cyril N. Barclay, Ret. illus map tabs Army 22:20-26 May '72

Russia

The dynamics of parity. Andrew J. Pierre. (Reprinted in part from Foreign Policy, Fall 1971) AF Mag 55:49-51 Jan '72

Now is the time (for all concerned Americans to study what is happening to the balance of power and what threat exists to the possibility of peace and the preservation of freedom). LtGen Richard T. Knowles. Ordnance 57:120-123 Sep-Oct '72

The Soviet Navy: Acquiring global capabilities and perspectives. Carl G. Jacobsen. illus Nav War Col Rev 24:41-52 Mar '72

United States

The dynamics of parity. Andrew J. Pierre. (Reprinted in part from Foreign Policy, Fall 1971) AF Mag 55:49-51 Jan '72

MILITARY POWER - ContinuedUnited States - Cont'd

Now is the time (for all concerned Americans to study what is happening to the balance of power and what threat exists to the possibility of peace and the preservation of freedom). LtGen Richard T. Knowles. Ordnance 57:120-123 Sep-Oct '72

ROA asks that strength of regulars not be jeopardized. (Excerpts from statement to House Appropriations Committee, 1972) Col John T. Carlton. Officer 48:20 Jun '72

The shifting strategic balance. (Position paper, Executive Council, NGAUS) Natl Guardsman 26: inside front cover Mar '72

MILITARY RESEARCH see Research and Development  
also specific kinds of research, e.g.,  
Space Research

MILITARY SEA TRANSPORTATION SERVICE see Military Sealift Command

MILITARY SEALIFT COMMAND

House panel vetoes proposed sealift (procurement) shift. Armed Forces J 109:12-13 Jan '72

Military Sealift (Command) procurement and the Merchant Marine. RADM John D. Chase. illus tabs Def Trans J 28:40-45 Jan-Feb '72

Military Sealift Command: The challenge of modern sealift support. Interview. RADM John D. Chase. illus Def Trans J 28:18-20+ Nov-Dec '72

Piecing together the maritime jigsaw. Larry C. Manning. illus Sea Power 15:27-32 Nov '72

Revitalizing America's seapower. RADM John D. Chase. illus Translog 3:6-9 Sep '72

Sealift goes mufti as airlift builds in-house capability. James D. Hessman. Armed Forces J 109:42 Mar '72

Ships available to MSC. Tables only. US Nav Inst Proc 98:334 May '72

USNS Hayes (T-AGOR-16): The Navy's twin-hulled fracture finder. Merle Macbain. illus Sea Power 15:22-26 Nov '72

MILITARY SERVICE, COMPULSORYSee also

Volunteer Forces (Proposed)

The all-volunteer force: Why not? LTJG T.D. Kelley. illus US Nav Inst Proc 98:37-43 Mar '72

Amnesty: No easy solution. Bruce Callander. AF Times 32:13 Mar 8 '72

Conscription for the Reserves. Maj Carmen J. Cavezza. MarCor Gaz 56:59-60 Sep '72

Could we end the draft now? Curtis W. Tarr. illus US Nav Inst Proc 98:58-63 Jun '72

DOD sees draft as "last resort" to maintain Guard, Reserve. Natl Guardsman 26:12-13 Feb '72

Doctor draft ends for this year. AF Times 32:4 Jun 14 '72

Draft produced non-pro Force. LtGen Ira C. Eaker, Ret. AF Times 33:13 Sep 27 '72

January draft halt to test hikes. AF Times 32:46 Jan 12 '72



MILITARY SERVICE, COMPULSORY - Continued

- The obligation to serve. Curtis W. Tarr. AU Rev 23: 2-11 Jul-Aug '72
- Pay a big lure as draft fades: Survey results. AF Times 33:21 Sep 13 '72
- ROTC dropouts face involuntary service. AF Times 33:8 Nov 1 '72
- Reserve instead of Selective Service. Officer 48:24 Sep '72
- Selling the Reserve program. Maj Ernest T. Fitzgerald. MarCor Gaz 56:52-53 Apr '72
- A volunteer draft--an alternative to the draft lottery. Capt Daniel H. Newlon. illus tabs Mil Rev 52:83-89 Feb '72
- Why have an all-volunteer force? (Address, Rotary Club, Philadelphia, Dec 1, 1971) Roger T. Kelley. AF Plcy Ltr for Comdrs: Sup No. 3:2-6 Mar '72

History

- The all-volunteer armed force--its feasibility and implications. Col Jack R. Butler. illus Parameters 2:17-29 Spring-Summer '72
- The decline of the mass Army. (Adapted from address, Inter-University Seminar on Armed Forces and Society Conference, Chicago, Nov 18-20, 1971) Morris Janowitz. illus Mil Rev 52:10-16 Feb '72

MILITARY SERVICE, VOLUNTARY see Volunteer Forces (Proposed)MILITARY SERVICE AS A PROFESSIONSee also  
Career Program

- The challenge of change. Gen Bruce Palmer, Jr. illus Army 22:20-23 Oct '72
- The challenge of logistics: An open letter. CAPT Clarence O. Fiske. illus Nav War Col Rev 24:59-63 Apr '72
- Civil-military relations in the 1980s. Col Richard F. Rosser. Mil Rev 52:18-31 Mar '72
- The descending spiral of amilitarism. Col Richard F. Rosser. illus AF Mag 55:64-69 Jun '72
- E-1 to O-10...clear the track. Col Daniel T. Chapman, Ret. Army 22:15-17 Nov '72
- Education for leadership. Maj Henry G. Gole. illus MarCor Gaz 56:18-26 Dec '72
- The focus in 1972 is on people. LtGen Walter T. Kerwin, Jr. illus Army 22:89-93 Oct '72
- For the 1980s: A new personnel structure in the Bundeswehr. Earl F. Ziemke. illus Mil Rev 52: 31-39 Sep '72
- "Give me a responsible job and leave me alone." (Young people in the Service rap with the Journal) Thomas C. Steinhauser. illus Armed Forces J 109:40-41 May '72
- The grass is not always greener. Capt Frederick W. McCoy. Infantry 62:16-18 Nov-Dec '72
- Infantry: The heart and soul of a professional Army. Gen Bruce Palmer, Jr. illus Infantry 62:6-11 Mar-Apr '72

MILITARY SERVICE AS A PROFESSION - Continued

- Invaluable (expensive) human resources. CAPT Donovan B. Quigley. illus Armed Forces Compt 17:11-14 Spring '72
- Last muster for the citizens' Army? LT Philip J. Katauskas. illus US Nav Inst Proc 98:61-67 Feb '72
- Meeting the challenge of coalition security. LtCols Zeb B. Bradford, Jr and Frederic J. Brown. illus Mil Rev 52:4-19 Jun '72
- A message for military leaders. Gen Bruce K. Holloway. illus Combat Crew 23:4-6 Jan '72
- Midshipman and cadet profiles and national norms: A comparison. Charles L. Cochran. illus tabs Nav War Col Rev 24:37-47 May '72
- Military history for the military professional. Benjamin F. Cooling III. illus Parameters 1:28-35 Winter '72
- The (mishap) crack in our mirror (of performance). Ted Kontos. illus USA Avn Dig 18:60-63 Jan '72
- Modern Volunteer Army (MVA). 1stLt Jonathan H. Fussner. illus Fld Artilleryman No. 49:65-71 Feb '72
- The Modern Volunteer Army (MVA): A product of junior officers. 2dLt Carl G. Schott. illus Infantry 62:6-8 Jul-Aug '72
- Most recruits in poll undecided on re-upping. AF Times 33:42 Sep 20 '72
- Must the professionals step aside again? (Behaviorism as the new panacea) LtCol Robert Leider. illus Army 22:40-45 Jun '72
- On positive thinking in the Army. LtCol Robert M. Joyce. Persp in Def Mgt, pp 69-73, Spring '72
- Opportunities in the Air Force. (Remarks, Coolidge High School Career Day, Washington, March 15, 1972) Col Lucius Theus. AF Plcy Ltr for Comdrs: Sup No. 7:18-23 Jul '72
- Peace-keeping with pride and integrity. Robert F. Froehke. illus Army 22:16-19 Oct '72
- The profession of arms in Canada today. Comdr R. F. Barnes. (Reprinted from Canadian Defence Quarterly, Spring 1972) illus Mil Rev 52:48-56 Aug '72
- Survey shows Air Force members' views (on discipline, rules and regulations). AF Plcy Ltr for Comdrs: Sup No. 3:26-29 Mar '72
- Taming of a paradox; the challenges of a volunteer Army. Augustus Thomas. illus Army 22:10-18 May '72
- A volunteer Army cannot be recruited "on the cheap." illus Armed Forces J 109:44-46 Jun '72
- Westmoreland praises "critical role"--Army's challenges comparable to Pershing's day. Gen William C. Westmoreland. Officer 48:11+ Mar '72
- What is military science? LtCol Henry G. Phillips. Ret. illus Mil Rev 52:35-41 Nov '72

MILITARY STANDARD TRANSPORTATION AND MOVEMENT PROCEDURES

- MILSTAMP--part of a family. William G. King. illus Translog 3:10+ Jul '72
- One step beyond. (Special handling codes) illus Translog 3:6-7 Jul '72

## MILITARY TRAFFIC MANAGEMENT AND TERMINAL SERVICE

- Conserving Defense transportation dollars. E. E. Balducci. illus Translog 3:16-18 Jul '72
- Contingency movement planning. Col William T. Purdy. illus Translog 3:8-9+ Jun '72
- Emergency traffic management planning. C. Jame Shoemaker. Translog 3:18-21 Sep '72
- House panel vetoes proposed sealift (procurement) shift. Armed Forces J 109:12-13 Jan '72
- MOTBA (Military Ocean Terminal Bay Area)--biggest military terminal complex. Robert L. Marion. illus Translog 3:5-7 Dec '71-Jan '72
- The MTMTS cargo security program. Capt Gerald H. Lucas. illus Translog 3:2-5 Mar '72
- MTMTS procurement activities. MajGen Clarence J. Lang. illus Def Trans J 28:33-37 Jan-Feb '72
- MTMTS Terminal Unit, Pacific Northwest. illus Translog 3:24-25 Feb '72
- Partners in defense transportation. (MOBilization DESignee (MOBDES)) Michel R. Scott. illus Translog 3:10+ Jun '72
- Passenger Standing Route Order: Aid to recruits and recruiters. James C. Townes. illus Translog 3:15-16 Apr '72
- The people people. (Interview with Col Joe O. Bellino) Pat Thomasson. illus Translog 3:2-6 Feb '72
- Serving the military traveler (MTMTS). Maj George E. Tilden. Translog 3:10+ Dec '71-Jan '72
- Shipping a car overseas? Some tips on what to do--advice from MTMTS. George Post. tab AF Times 32:24 May 10 '72
- The traffic management partnership. Arnold E. Ostrom. illus Translog 3:8-10+ Aug '72
- View from the middle. (Mid-level executive briefings at Hq MTMTS) LtCol Bruce M. Bellamy. illus Translog 3:2-5 Apr '72

### Organization

- Consolidated Army port calls--getting it all together for better management of resources. John W. Sandfort. illus Translog 3:2-5 Jun '72

## MILLER, George H.

- Blueprint for bluewater. RADM George H. Miller. illus Sea Power 15:8-12 Feb '72
- The U.S. shipping emergency of the seventies. RADM George H. Miller and Max C. McLean. illus US Nav Inst Proc 98:142-157 May '72

## MILTON, Theodore R.

- Behind NATO's shiny facade--a troubled future? Gen T. R. Milton. por AF Mag 55:49-52 Aug '72
- NATO--the writing on the wall. Gen T. R. Milton. illus tab US Nav Inst Proc 98:18-21 Jan '72

## MINE WARFARE

- Aircraft mine delivery. Capt Wayne F. Reposa. illus USA Avn Dig 18:28-29 Dec '72
- Mine warfare and international law. (Lecture, Naval War College) Howard S. Levie. illus Nav War Col Rev 24:27-35 Apr '72

## MINE WARFARE - Continued

- Soviet land mine warfare. Bernard F. Halloran. illus Mil Engr 64:115-118 Mar-Apr '72

## MINERALS

- International control of deep sea mineral resources. LCDR Wayne J. Smith. illus tabs Nav War Col Rev 24:82-90 Jun '72
- Purdue University scientists report on moon rocks. Richard P. Smith. illus Space World I-3-99:9-12 Mar '72
- Soviet analysis of lunar rock (Luna-20 probe). Alexander Vinogradov. tab Space World I-10-106: 39-40 Oct '72

## MINES AND MINE LAYING

- President's mining order: Military reasons, effects. Col Robert D. Heintz, Jr. Armed Forces J 109:62 Jun '72
- A tank killer--a field plough! Maj Homer M. Ledbetter. illus Armor 81:50-51 Mar-Apr '72

## MINORITIES

- See also  
Race Relations  
also specific groups, e. g.,  
American Indians  
Negroes in the Armed Forces
- Air Force and the minority enterprise program. Donald E. Rellins. illus Review 52:35-36+ Jul Aug '72
- Air Force sets equal opportunity goals. TIG Brief 24:1 Jul 14 '72
- More minority officers needed in (Marine Corps) command structure. MarCor Gaz 56:3 Mar '72
- New program aims at equal opportunity. AF Times 32:3 Jun 14 '72
- Officers sought from minorities. AF Times 32:1+ May 24 '72
- Try One. (ANG recruiting program) MajGen I. G. Brown. illus Air Reservist 23:10-11 Dec '71-Jan '72

## MINUTEMAN EDUCATION PROGRAM

- Minuteman MAs total 127 in '71. AF Times 32:5 May 10 '72

## MISSILE BASES

- See also  
Missile Sites

### United States

- Swap-out. (Part of SAC's ICBM Force Modernization program known as 'Modification Block 6-71') Maj Richard D. Ness. illus Combat Crew 23:18-21 Jul '72

## MISSILE COMBAT COMPETITIONS

- McConnell (381st Strategic Missile) Wing wins Blanchard Trophy (in 5th Annual Missile Combat Competition, Vandenburg AFB, Calif, April 6-8, 1972). illus AF Times 32:37 May 3 '72
- One more time; 351st SMW (Strategic Missile Wg), Whiteman, 1971 Olympic Arena winners return vowing to win again. illus Combat Crew 23:29-30 Apr '72

MISSILE COMBAT COMPETITIONS - Continued

A select group--the missile maintenance technician is one of the most highly skilled and trained individuals in the Air Force. (Olympic Arena '72) MajGen Salvador E. Felices. illus Combat Crew 23:10-11 Apr '72

Wings in competition. (A review of Olympic Arena 1972) illus Combat Crew 23:6-7+ Jun '72

Wings in competition. (Olympic Arena 1972) illus Combat Crew 23:6-7+ Apr '72

A world series of champions (Olympic Arena '72). MajGen Pete C. Sianis and SSgt R. W. Daniel. Combat Crew 23:4-5 Apr '72

Year of the Titan. Capt Donald R. Carter. Combat Crew 23:4-5 Jun '72

MISSILE COMMAND

Competitive missile procurement. J. A. Muller. illus tab Army Log 4:8-11 Nov-Dec '72

MISSILE CREWSSee also

Missile Training

The bird in the other room. (A 34 hour workday with an Atlas crew in a SAC missile silo) Don Smith. (Reprinted from Air Force and Space Digest, May 1964) illus AF Mag 55:140-144 Sep '72

Foil-pack feeding succeeds. AF Times 32:22 Mar 1 '72

McConnell (381st Strategic Missile) Wing wins Blanchard Trophy (in 5th Annual Missile Combat Competition, Vandenburg AFB, Calif, April 6-8, 1972). illus AF Times 32:37 May 3 '72

Missile student processing discrepancies. TIG Brief 24:9 Apr 21 '72

One more time; 351st SMW (Strategic Missile Wg), Whiteman, 1971 Olympic Arena winners return vowing to win again. illus Combat Crew 23:29-30 Apr '72

A select group--the missile maintenance technician is one of the most highly skilled and trained individuals in the Air Force. (Olympic Arena '72) MajGen Salvador E. Felices. illus Combat Crew 23:10-11 Apr '72

Wings in competition. (A review of Olympic Arena 1972) illus Combat Crew 23:6-7+ Jun '72

Wings in competition. (Olympic Arena 1972) illus Combat Crew 23:6-7+ Apr '72

Year of the Titan. Capt Donald R. Carter. Combat Crew 23:4-5 Jun '72

MISSILE DEFENSE

America's defence crisis. LtCol A. J. Barker. tab Army Qtr 102:266-273 Apr '72

The China factor in the ABM debate: Chronicle of a rationale. Harry E. T. Thayer. tab Forum No. 14: 1-59 Winter '71

Defense against anti-ship missiles. Desmond Scrivener. illus tab Intl Def Rev 4:539-543 Dec '71

Down to a gunless sea? Desmond Scrivener. illus Intl Def Rev 5:254-257 Jun '72

MISSILE DEFENSE - Continued

Electronic warfare: Essential element of deterrence. Interview. BrigGen Theodore S. Coberly. illus AF Mag 55:36-41 Jul '72

Russia and the ABM. Mark B. Schneider. map Ordnance 56:372-374 Mar-Apr '72

The SALT agreement. Intl Def Rev 5:357 Aug '72

SALT and the strategic balance. London's International Institute for Strategic Studies. AF Mag 55:53-55 Dec '72

The shift in strategic war plans. William Beecher. illus Army 22:10-14 Nov '72

Soviet-American arms negotiations--1960-68: A prelude for SALT. (Research paper, Naval War College, 1971) LT Eric W. Hayden. illus Nav War Col Rev 24:65-82 Jan '72

The strategic balance. AVM Neil Cameron. tab Royal Air Forces Qtr pt 1, The balance today. 11:169-175 Autumn '71; pt 2, The implication of new weapon systems. 11:253-258 Winter '71; pt 3, China, Europe and SALT. 12:1-5 Spring '72

The strategic requirement--AFA symposium in Orlando (Fla, Dec 15-16, 1971). Edgar Ulsamer. illus AF Mag 55:58-64 Feb '72

The triad...plus 'one.' Col Sheldon I. Godkin. illus AF Mag 55:48-53 Nov '72

Triad to become quadrate? Brooke Nihart. illus Armed Forces J 110:30-31 Dec '72

MISSILE INDUSTRY AND TRADEEurope, Western

Crotale (surface-to-air missile system)--looking for orders. illus Interavia 27:232 Mar '72

MISSILE MAINTENANCE

Strength of the giants. (390th Strategic Missile Wg and 390th Missile Installation and Maintenance Sq) Ed Blair. illus Airman 16:32-36 Sep '72

MISSILE RANGES see Missile Test CentersMISSILE SITES

See also  
Missile Bases

Raco (Missile) Site Bomarc era ends. AF Times 33: 37 Nov 8 '72

MISSILE TEST CENTERS

Kourou--Europe's equatorial space centre. M. Deskau. illus map Interavia 27:38-40 Jan '72

The NATO Missile Firing Installation (NAMFI). illus (Also cutaway) maps tab Intl Def Rev 5:141-143 Apr '72

White Sands (Missile Range, NM) sees gains. AF Times 32:40 Feb 23 '72

MISSILE TRAINING

Launching the missilemen. Ted R. Sturm. illus Airman 16:30-33 May '72

Missile student processing discrepancies. TIG Brief 24:9 Apr 21 '72

A record setter--4315th CCTS Vandenberg AFB, (Calif). illus Combat Crew 23:8-9 Jun '72



MISSILE TYPE

See also  
Missiles

Bomarc

Raco (Missile) Site Bomarc era ends. AF Times 33: 37 Nov 8 '72

Condor

Educated missiles (HOBOS and Condor). D. A. Smith. illus Ordnance 56:384-385 Mar-Apr '72

TV guided missiles. John Marriott. illus tab NATO's Fifteen Nations 17:68-71 Apr-May '72

Hound Dog

Hound Dog fuel differential. Capt James N. Manosh. illus Combat Crew 23:14-17 Feb '72

Meet the Hound Dog. Sgt Vance E. Thurber. illus Combat Crew 23:12-13 Aug '72

Maverick

(First Maverick, a new advanced class of TV-guided missile) illus Signal 27:56 Dec '72

Maverick--TAC's unique, new 'smart missile.' Edgar Ulsamer. illus AF Mag 55:70-71 Jun '72

TV guided missiles. John Marriott. illus tab NATO's Fifteen Nations 17:68-71 Apr-May '72

Minuteman

400th Minuteman launched at Vandenberg (AFB, Calif). AF Times 33:37 Nov 8 '72

Minutemanese--an introduction to the written and spoken language of the SAC missileman. Capt C. L. Honn. Combat Crew 23:10-11 Oct '72

Swap-out. (Part of SAC's ICBM Force Modernization program known as 'Modification Block 6-71') Maj Richard D. Ness. illus Combat Crew 23:18-21 Jul '72

Testing

DASO (test program for Minuteman III). Col William H. Eckles. illus Combat Crew 23:10-11+ Feb '72

Test launch of the Minuteman G. Capt David A. Labar and Lt Stephen G. Mihok. illus Combat Crew 23: 8-11 Sep '72

Pershing

Contract incentives spur design improvements. (Redesign of the Pershing missile system power unit) William W. Carpenter and Lowell J. Bates. illus Army Log 4:10-13 Jul-Aug '72

Pershing la. Maj John E. Bonner. illus chart Fld Artilleryman No. 49:41-47 Feb '72

Phoenix

(First military crew to attack multiple targets simultaneously with multiple missiles) Signal 27:63 Dec '72

Redeye

Stinger for Redeye. Armed Forces J 109:26 Aug '72

SCAD

B-52 decoy ideas sought--SCAD (Subsonic Cruise Armed Decoy) design. AF Times 32:18 Mar 8 '72

MISSILE TYPE - ContinuedSCAD - Cont'd

SCAD (Subsonic Cruise Armed Decoy missile)--electronic stand-in for the B-52. Edgar Ulsamer. illus (Also cutaway) AF Mag 55:43-47 Nov '72

SRAM

New (missile) armaments (SRAM and SCAD) slated on B-52s. AF Times 32:37 Jul 5 '72

SRAM enters the USAF inventory. J. Philip Geddes. illus Interavia 27:614-615 Jun '72

SRAM (Short Range Attack Missile)--the last word in defense suppression. Edgar Ulsamer. illus AF Mag 55:28-34 Feb '72

SRAM--The USAF's new defense suppression missile. J. Philip Geddes. illus Intl Def Rev 5:258-260 Jun '72

Titan

Old Betsy (Titan II)--with safety and reliability. Capt Robert J. Petrusky. illus Combat Crew 23: 8-9 Oct '72

Trident

ULMS gets new name: Trident. L. Edgar Prina. Sea Power 15:12-13 Jun '72

MISSILE UNITSUnited States

McConnell (381st Strategic Missile) Wing wins Blanchard Trophy (in 5th Annual Missile Combat Competition, Vandenberg AFB, Calif, April 6-8, 1972). illus AF Times 32:37 May 3 '72

One more time; 351st SMW (Strategic Missile Wg), Whiteman, 1971 Olympic Arena winners return vowing to win again. illus Combat Crew 23:29-30 Apr '72

A record setter--4315th CCTS Vandenberg AFB, (Calif). illus Combat Crew 23:8-9 Jun '72

A select group--the missile maintenance technician is one of the most highly skilled and trained individuals in the Air Force. (Olympic Arena '72) MajGen Salvador E. Felices. illus Combat Crew 23:10-11 Apr '72

Strength of the giants. (390th Strategic Missile Wg and 390th Missile Installation and Maintenance Sq) Ed Blair. illus Airman 16:32-36 Sep '72

Wings in competition. (A review of Olympic Arena 1972) illus Combat Crew 23:6-7+ Jun '72

Wings in competition. (Olympic Arena 1972) illus Combat Crew 23:6-7+ Apr '72

Year of the Titan. Capt Donald R. Carter. Combat Crew 23:4-5 Jun '72

MISSILESSee alsoRockets

Guided missiles, fiction and reality. Adm Edward B. Ashmore. illus NATO's Fifteen Nations 17:54-55+ Feb-Mar '72

Ship-to-ship missiles. Comdr Christian J. Eliot. illus tab US Nav Inst Proc 98:108-114 Nov '72

MISSILES - ContinuedCharacteristics

Jane's All the World's Aircraft Supplement. Regular feature in issues of Aerospace International; some issues of Air Force Magazine

Ship-to-ship missiles. Comdr Christian J. Eliot. illus tab US Nav Inst Proc 98:108-114 Nov '72

The surface-to-air missile: An insufficient appreciation. Maj C. K. Sime. tabs MarCor Gaz 56:7-9 Dec '72

Components

Safety/arming devices. Matthew E. Anderson. illus Ordnance 57:59-62 Jul-Aug '72

Countermeasures

See Missile Defense

Design

Contract incentives spur design improvements. (Redesign of the Pershing missile system power unit) William W. Carpenter and Lowell J. Bates. illus Army Log 4:10-13 Jul-Aug '72

Integrated weapon concept. H. E. Brown. illus Ordnance 57:144-146 Sep-Oct '72

Standardizing the SAM-D. Raymond C. Hase, Jr. illus Army Log 4:12-13+ Mar-Apr '72

Detection

Defense against anti-ship missiles. Desmond Scrivener. illus tab Intl Def Rev 4:539-543 Dec '71

Fuels

See Propellants

Fuses

Proximity fuzes for guided missiles. J. A. Elphick. illus Intl Def Rev 5:144-145 Apr '72

Ground-Support Equipment

Pershing Ia. Maj John E. Bonner. illus chart Fld Artilleryman No. 49:41-47 Feb '72

Supporting moon missions is routine for men of (U.S. Army) Cape Kennedy Outport. Frank K. Costa. illus Translog 3:22-24 May '72

Guidance and Control

Educated missiles (HOBOS and Condor). D. A. Smith. illus Ordnance 56:384-385 Mar-Apr '72

Eglin's ADTC (Armament Development and Test Center)--business end of the Air Force. Interview. MajGen Jewell C. Maxwell. illus AF Mag 55:24-29 Aug '72

(First Maverick, a new advanced class of TV-guided missile) illus Signal 27:56 Dec '72

The "flyable" smart bomb--adding another dimension to airpower. (Interviews with Cols E. M. Munyon and B. K. Partin) Edgar Ulsamer. illus AF Mag 55:30-35 Aug '72

Integrated weapon concept. H. E. Brown. illus Ordnance 57:144-146 Sep-Oct '72

Laser guidance systems pass in tests at Redstone Arsenal. illus Army 22:55 Feb '72

MISSILES - ContinuedGuidance and Control - Cont'd

Maverick--TAC's unique, new 'smart missile.' Edgar Ulsamer. illus AF Mag 55:70-71 Jun '72

A proposal for semi-active guidance. illus tab Interavia 27:1133+ Oct '72

SRAM enters the USAF inventory. J. Phillip Geddes. illus Interavia 27:614-615 Jun '72

SRAM (Short Range Attack Missile)--the last word in defense suppression. Edgar Ulsamer. illus AF Mag 55:28-34 Feb '72

The surface-to-air missile: An insufficient appreciation. Maj C. K. Sime. tabs MarCor Gaz 56:7-9 Dec '72

TV guided missiles. John Marriott. illus tab NATO's Fifteen Nations 17:68-71 Apr-May '72

Launching

(First military crew to attack multiple targets simultaneously with multiple missiles) Signal 27:63 Dec '72

Submarine launched missiles. John Marriott. Armed Forces J 110:55-56 Sep '72

Maintenance and Repair  
See Missile MaintenanceSafety Measures

Old Betsy (Titan II)--with safety and reliability. Capt Robert J. Petrusky. illus Combat Crew 23:8-9 Oct '72

Safety/arming devices. Matthew E. Anderson. illus Ordnance 57:59-62 Jul-Aug '72

Terminology

Minutemanese--an introduction to the written and spoken language of the SAC missileman. Capt C. L. Honn. Combat Crew 23:10-11 Oct '72

Tracking

(Radar system to detect sea-launched ballistic missiles) Signal 26:120 Jan-Feb '72

Supporting moon missions is routine for men of (U.S. Army) Cape Kennedy Outport. Frank K. Costa. illus Translog 3:22-24 May '72

Warheads

The "flyable" smart bomb--adding another dimension to airpower. (Interviews with Cols E. M. Munyon and B. K. Partin) Edgar Ulsamer. illus AF Mag 55:30-35 Aug '72

The shift in strategic war plans. William Beecher. illus Army 22:10-14 Nov '72

China (People's Republic)

China's nuclear deterrent. Charles H. Murphy. (Adapted from Bulletin of the Atomic Scientists, Jan 1972) illus map AF Mag 55:22-26 Apr '72

Europe, Western

Crotale (surface-to-air missile system)--looking for orders. illus Interavia 27:232 Mar '72

Farnborough '72--equipment and missiles. illus Interavia 27:1194-1200 Nov '72

MISSILES - ContinuedEurope, Western - Cont'd

The HOT (Haut subsonique Optiquement Téléguidé) missile system. illus tab Intl Def Rev 5:389-392 Aug '72

A new breed of European missiles. John S. Phillip. illus Aerosp Intl 8:24-30 May-Jun '72

France

Crotale--sharing shortages. Govt Exec 4:14 Sep '72

NAR (North American Rockwell) to build Crotale air defense system (and U.S. Army also interested in the French-German Roland). illus Armed Forces J 109:20+ Aug '72

A report from Bonn: MM38 (Exocet) soon ready to enter navies services. G.M. Bailly-Cowell. illus NATO's Fifteen Nations 17:98-100 Jun-Jul '72

Germany (Federal Republic)

NAR (North American Rockwell) to build Crotale air defense system (and U.S. Army also interested in the French-German Roland). illus Armed Forces J 109:20+ Aug '72

Great Britain

NAR (North American Rockwell) to build Crotale air defense system (and U.S. Army also interested in the French-German Roland). illus Armed Forces J 109:20+ Aug '72

Submarine launched missiles. John Marriott. Armed Forces J 110:55-56 Sep '72

Russia

The anti-tank problem. John Marriott. illus tabs NATO's Fifteen Nations 17:72-82+ Apr-May '72

'Nanuchka,' new Soviet missile ship, revealed. illus Armed Forces J 109:20 Mar '72

Russia and the ABM. Mark B. Schneider. map Ordnance 56:372-374 Mar-Apr '72

SIG (Stellar Inertial Guidance): What the arms agreement doesn't cover. William Beecher. illus Sea Power 15:8-11 Dec '72

The Soviet tactical Air Force and tactical nuclear weapons. Maj E. van Veen. illus NATO's Fifteen Nations 17:42-44+ Aug-Sep '72

The strategic requirement--AFA symposium in Orlando (Fla, Dec 15-16, 1971). Edgar Ulsamer. illus AF Mag 55:58-64 Feb '72

United StatesSee also

Missile Type

The China factor in the ABM debate: Chronicle of a rationale. Harry E. T. Thayer. tab Forum No. 14: 1-59 Winter '71

Educated missiles (HOBOS and Condor). D.A. Smith. illus Ordnance 56:384-385 Mar-Apr '72

Missiles and astronautics. Col Leon Booth, Ret. Regular feature in issues of Ordnance

Not the time for Defense cuts. LtGen Ira C. Eaker, Ret. AF Times 32:13 Jul 5 '72

MISSILES - ContinuedUnited States - Cont'd

SIG (Stellar Inertial Guidance): What the arms agreement doesn't cover. William Beecher. illus Sea Power 15:8-11 Dec '72

The shift in strategic war plans. William Beecher. illus Army 22:10-14 Nov '72

Strategic options and total force concepts. Interview. Gen George S. Brown. illus AF Mag 55:39-44 May '72

Testing

The missile-system test sled--testing space hardware on the ground at 5580 miles per hour. illus Space World I-3-99:28-29 Mar '72

Test launch of the Minuteman G. Capt David A. Labar and Lt Stephen G. Mihok. illus Combat Crew 23: 8-11 Sep '72

United States--Air Force

New (missile) armaments (SRAM and SCAD) slated on B-52s. AF Times 32:37 Jul 5 '72

SRAM enters the USAF inventory. J. Philip Geddes. illus Interavia 27:614-615 Jun '72

SRAM (Short Range Attack Missile)--the last word in defense suppression. Edgar Ulsamer. illus AF Mag 55:28-34 Feb '72

SRAM--The USAF's new defense suppression missile. J. Philip Geddes. illus Intl Def Rev 5:258-260 Jun '72

Testing

400th Minuteman launched at Vandenberg (AFB, Calif). AF Times 33:37 Nov 8 '72

United States--Army

Competitive missile procurement. J. A. Muller. illus tab Army Log 4:8-11 Nov-Dec '72

Crotale--sharing shortages. Govt Exec 4:14 Sep '72

Pershing Ia. Maj John E. Bonner. illus chart Fld Artilleryman No. 49:41-47 Feb '72

Standardizing the SAM-D. Raymond C. Hase, Jr. illus Army Log 4:12-13+ Mar-Apr '72

Testing

Germany tests airborne TOW. Hughie J. McInnish, Jr. illus USA Avn Dig 18:10-13 Mar '72

United States--Marine Corps

The surface-to-air missile: An insufficient appreciation. Maj C. K. Sime. tabs MarCor Gaz 56:7-9 Dec '72

United States--Navy

Castration rounds and tattletale ships--big Russian cruisers beefing up carriers. William Beecher. illus Sea Power 15:18-22 May '72

Future concepts in military submarine systems. Brian Thomas. illus RUSI J for Def Studies 117: 55-57 Jun '72

New Defense budget gets naval tilt. L. Edgar Prina. illus tab Sea Power 15:33-34 Feb '72

Old, new; tried, true. (Naval aircraft and missile weaponry) illus Sea Power 15:36-37 Nov '72



MISSILES - ContinuedUnited States - - Navy - Cont'd

The role of the carrier in the control of the seas. CAPT Stephen T. De La Mater. illus tab US Nav Inst Proc 98:110-125 May '72

Submarine launched missiles. John Marriott. Armed Forces J 110:55-56 Sep '72

Triad to become quadrate? Brooke Nihart. illus Armed Forces J 110:30-31 Dec '72

ULMS gets new name: Trident. L. Edgar Prina. Sea Power 15:12-13 Jun '72

MISSILES, ANTI-AIRCRAFT

Air superiority comes first. Maj Norman E. Wells. illus AU Rev 24:10-25 Nov-Dec '72

Crotale (surface-to-air missile system)--looking for orders. illus Interavia 27:232 Mar '72

Standardizing the SAM-D. Raymond C. Hase, Jr. illus Army Log 4:12-13 Mar-Apr '72

Stinger for Redeye. Armed Forces J 109:26 Aug '72

MISSILES, ANTISHIP

Defense against anti-ship missiles. Desmond Scrivenner. illus tab Intl Def Rev 4:539-543 Dec '71

'Nanuchka,' new Soviet missile ship, revealed. illus Armed Forces J 109:20 Mar '72

New naval tactics. CAPT Leon I. Smith, Ret. tab Ordnance 57:222-225 Nov-Dec '72

Ship-to-ship missiles. Comdr Christian J. Eliot. illus tab US Nav Inst Proc 98:108-114 Nov '72

MISSILES, ANTI-TANK

The anti-tank problem. John Marriott. illus tabs NATO's Fifteen Nations 17:72-82 Apr-May '72

Army's tank aces. Armed Forces J 109:15-16 Jul '72

The death of the tank. LtCol Warren W. Lennon. illus Armor 81:4-14 Jan-Feb '72

Germany tests airborne TOW. Hughie J. McInnish, Jr. illus USA Avn Dig 18:10-13 Mar '72

The HOT (Haut subsonique Optiquement Teleguide) missile system. illus tab Intl Def Rev 5:389-392 Aug '72

The Milan weapon system. illus (Also cutaway) tabs Intl Def Rev 5:172-176 Apr '72

Swingfire in service. R. B. Pengelley. tab illus (Also cutaway) Intl Def Rev 5:509-513 Oct '72

Tank gun or missile? Bryant R. Dunetz. illus tab Ordnance 57:147-150 Sep-Oct '72

MOBILE SEABASE CONCEPT

Amphibious communications. Capt Rudy J. Wadle. MarCor Gaz 56:43-44 Apr '72

By forcible entry. (Navy/Marine Corps amphibious assault forces) Col J. B. Soper. illus MarCor Gaz 56:19-26 Aug '72

Hazards of seabase. Col Verle E. Ludwig. illus MarCor Gaz 56:18-25 Feb '72

MOBILE SEABASE CONCEPT - Continued

Improving MAF (Mobile Amphibious Force) capability. LtCol Edward J. Clarkson. MarCor Gaz 56:55-56 Jun '72

Sea-based landing force operations: An evolutionary development. MajGen Lawrence F. Snowden and Maj Marshall N. Carter. illus US Nav Inst Proc 98:105-108 Nov '72

MOBILE TRAINING UNITS

Quo vadis?--The Nixon doctrine and air power. Col Robert L. Gleason. illus AU Rev 23:45-56 Jul-Aug '72

Support of ATC mobile training teams. TIG Brief 24:11 Jan 28 '72

MOBILITYSee also

Air Mobility

1st Cavalry Division (TRICAP)

Mobile Seabase Concept

ACE in the hole! Logistics support of the ACE Mobile Force. Maj Robert C. Barrett. illus charts Army Log 4:20-23 Jan-Feb '72

Defense requires mobility. LtCol Robert Carmichael and Maj Joseph Keyes. illus Infantry 62:40-42 Mar-Apr '72

Field artillery equipment. tabs illus Fld Artilleryman No. 50:4-49 Oct '72

The future of close combat. MajGen George B. Pickett, Jr. illus Infantry 62:6-10 Sep-Oct '72

Ground mobility--past present and future. Capt David Pearson. illus Infantry 62:20-27 Mar-Apr '72

Infantry: Rolling against the punch. Col Ben S. Malcom. illus Infantry 62:6-9 May-Jun '72

Mobile logistics. Maj R. E. Lochner. illus MarCor Gaz 56:31-35 Jul '72

Mobility for physically impaired persons. Joseph L. Mandella and Harry A. Schweikert, Jr. illus Def Trans J 28:63-67 Jul-Aug '72

Mobility planning is everybody's business. MajGen Clarence J. Lang. illus Def Trans J 28:32-35 Sep-Oct '72

Rotors for the Rangers. LtCol Thomas J. Shaughnessy. illus Army 22:38-42 May '72

Strategic mobility and maritime technology--a challenge for the future. LtGen Walter J. Woolwine. illus Def Trans J 28:31-33 Jul-Aug '72

Strategic mobility and the Nixon doctrine. Col Rodman C. Rainville. Forum No. 14:102-116 Winter '71

Tactical use of motorcycles. (Recondo platoon training at Fort Hood, Tex) Col Ben S. Malcom and Capt Jay H. Hickey. illus Infantry 62:23-27 Sep-Oct '72

MOBILIZATION, INDUSTRIAL

Industrial preparedness. Col Christopher S. Maggio. illus Parameters 2:52-59 Spring-Summer '72

Industrial preparedness posture improved by revised procedures--proper planning eases peace to war transition. VADM Eli T. Reich. illus tabs Def Mgt J 8:36-40 Oct '72

MOBILIZATION, INDUSTRIAL - Continued

Priorities and allocations in industrial preparedness. Anthony A. Bertsch. illus Def Mgt J 8:46-49+ Oct '72

Role of OEP (Office of Emergency Preparedness) in mobilization planning. George A. Lincoln. illus Def Mgt J 8:41-45+ Oct '72

MOBILIZATION, MILITARYUnited States

Cost-effective Reserve Forces. CDR James G. Abert. illus US Nav Inst Proc 98:52-61 Nov '72

Lead, train, administer. MajGen George B. Pickett, Jr. illus Mil Rev 52:47-53 Jun '72

Partners in defense transportation. (MOBilization DESignee (MOBDES)) Michel R. Scott. illus Translog 3:10+ Jun '72

Repercussions from the Vietnam mobilization decision. LtCol John D. Bruen. illus Parameters 2:30-39 Spring-Summer '72

War Reserve Materiel (WRM). TIG Brief 24:3 Oct 27 '72

MODEL AIRPLANES see Airplanes, Model

MOMYER, William W.

Debating the future of 'flying tanks.' Lloyd Norman. por Army 22:18-21 Feb '72

TAC--off on a new tack. por AF Mag 55:88-92 May '72

Tac Air's responsiveness--the nub of U.S. national strategy. Interview. Gen William W. Momyer. por AF Mag 55:32-37 Dec '72

MONEY

Downhill racing with the \$. Jim Sample. AF Times, Family sup:7 Aug 2 '72

The PX price seesaw. Jim Sample. tab AF Times, Family sup:8 Aug 2 '72

The strategic implications of international monetary reform. Thomas W.M. Smith. tab Forum No. 16: 26-48 Fall '72

MONGOLIAStrategic importance

The Sino-Soviet border dispute. Col James H. Aarestad. maps Forum No. 13:92-110 Fall '71

MONTAGUE, Robert M., Jr

Building a "new" Army: Results begin to show. (Reprinted from U.S. News & World Report, March 6, 1972) illus Soldiers 27:32-33 Apr '72

MONTGOMERY, Bernard L. Montgomery, 1st Viscount

Patton and Montgomery: Alike or different? LtCol Martin Blumenson. por biog Army 22:16-22 Jun '72

MOON

See also  
Space Flight to the Moon

Apollo 17 site selection. Spaceflight 1-9-105:10-11 Sep '72

MOON - Continued

Archaeological techniques applied to lunar program. Space World I-7-103:48 Jul '72

Discovery in space. Willard F. Rockwell, Jr. illus Ordnance 56:302-304 Jan-Feb '72

Distribution of Apollo 15 lunar samples. Space World I-3-99:33 Mar '72

Exploration at Hadley-Rille. R.J. Fryer. illus map Spaceflight 14:86-89+ Mar '72

History of the moon. S.W. Richardson. illus Spaceflight 14:82-85 Mar '72

Jumping on the moon: Power output at different gravity values. Giovanni A. Cavagna and others. illus tab Aerosp Med 43:408-414 Apr '72

Luna 20 drill shows its contents. Space World I-8-104:14 Aug '72

Mission to Descartes. David Baker. illus map Spaceflight pt 1, 14:246-251 Jul '72; pt 2, 14:287-291 Aug '72

Mission to Taurus-Littrow, Apollo 17 landing site. illus Spaceflight 14:342-343 Sep '72

Purdue University scientists report on moon rocks. Richard P. Smith. illus Space World I-3-99:9-12 Mar '72

Riddles of lunar mountains. Vladimir Trifonov. Space World I-8-104:39 Aug '72

Russian report. Space World I-3-99:37-42 Mar '72

Small optical telescopes on the moon. E. H. Wells. illus (Also cutaway) Spaceflight 14:90-94 Mar '72

Soviet analysis of lunar rock (Luna-20 probe). Alexander Vinogradov. tab Space World I-10-106: 39-40 Oct '72

Water on distant planets. Vladimir Derpgolts and Gennady Katterfeld. Space World I-8-104:43-45 Aug '72

History

History of the moon. S.W. Richardson. illus Spaceflight 14:82-85 Mar '72

MOON VEHICLES

Apollo lunar spacecraft--how it works. The total story of Apollo. illus (Also cutaways) Space World pt 1, I-4-100:4-60 Apr '72; pt 2, I-5-101:4-58 May '72; pt 3, I-6-102:4-59 Jun '72

How Lunokhod was controlled. illus Soviet Mil Rev No. 3:34-35 Mar '72

Lunar mobility research. K.J. Melzer. illus Mil Engr 64:82-84 Mar-Apr '72

Roving vehicle on the moon. S.F. Morea and C.D. Arnett. illus tab Mil Engr 64:322-325 Sep-Oct '72

MOORE, Sam H.

Trends in Navy program and budget planning. (Address, American Society of Military Comptrollers West Coast Regional Symposium, San Diego, Calif, Feb 10-11, 1972) RADM S.H. Moore. por Armed Forces Compt 17:21-23+ Spring '72

MOORER, Thomas H.

Former SACLANT's. por biog NATO's Fifteen Nations 17:24-26 Feb-Mar '72

MOORE, Thomas H. - Continued

- The Posture parade marches again. Claude Witze. por AF Mag 55:11-14 Apr '72
- The strategic nuclear balance "is turning against us." ADM Thomas H. Moorer. por Officer 48:15+ May '72
- The view from the tank: Interviews with the Joint Chiefs. por Armed Forces J 109:36-44 Jan '72

MOOT, Robert C.

- Battle of the budget. (Address, 54th Annual Meeting, American Ordnance Assoc, Washington, May 11, 1972) Robert C. Moot. tabs Ordnance 57:36-39 Jul-Aug '72
- (Comptroller accomplishments in aiding the Defense effort) (Address, American Society of Military Comptrollers National Banquet, Bolling AFB, DC, May 17, 1972) Robert C. Moot. por Armed Forces Compt 17:38-41 Summer '72
- Comptroller on (budget) justification problems. Interview. Robert C. Moot. por Govt Exec 4:17-18 May '72
- Defense budget and management problems. Robert C. Moot. illus Review 51:20-22+ Mar-Apr '72
- The FY 73 budget and Defense spending trends. (Address, American Society of Military Comptrollers West Coast Regional Symposium, San Diego, Calif, Feb 10-11, 1972) Robert C. Moot. por Armed Forces Compt 17:18-20+ Spring '72
- Is anybody listening? (Defense budget for FY 1973) Claude Witze. illus AF Mag 55:6-8 Mar '72
- Why there is no 'peace dividend.' Editorial. Sea Power 15:7-8 Jul-Aug '72

MORALE

- "Beefing up" the black gang. (The crisis in the engine and fire rooms of U.S. Navy ships) LCDR Paul D. Rogers. illus US Nav Inst Proc 98:93-95 Aug '72
- Faith in what cause? A survey of political and social doctrines in the Armies of the two German Republics. Dennis Chaplin. Army Qtr 102:34-46 Oct '71
- George Knight Clowes Memorial Prize Essay, 1971: (Training soldiers to be self-sufficient). Lt E.A. Smith. Army Qtr 102:475-482 Jul '72
- Humor is no laughing matter! Capt Peter M. Elson. illus Infantry 62:16-19 Mar-Apr '72
- The informal contract (between the organization and its members). LtCols Robert M. Elton and Dandridge M. Malone. illus Army 22:10-14 Sep '72
- Leadership. (Address, Army War College, Oct 1971) Gen Omar N. Bradley. illus Parameters 1:2-8 Winter '72
- New iron for NATO's backbone. (7th Army deals with internal problems) L. James Binder. illus Army 22:6-15 Jul '72
- The offensive spirit (during the battle at Moscow in September 1941-January 1942). MajGen F. Stepanov. illus Soviet Mil Rev No. 6:39-41 Jun '72
- Talking it out--antidote for company morale problems. Ch(Maj) Billy W. Libby and Capt Michael Rohrbaugh. illus Army 22:39-41 Dec '72

MORRIS, Frederick E., Jr

- Problems of programmers. (Interviews with Clem Gibson, Phil Budd, Howard King, Lawrence Roberts, Robert L. Chartrand, and MajGens Frederick E. Morris, Jr and Henry C. Schrader) Scot MacDonald. por Govt Exec 4:70-72 Jul '72

MORTARS

- Mortars and mirrors: A limited facility training aid. MSgt Charles L. Bryant, Ret. (Reprinted from Infantry, April 1957) illus tab Infantry 62:42-44 Jan-Feb '72
- New developments in Infantry mortars. (Army Mortar Program (ARMOP)) Capt Gary T. Rogers. illus Infantry 62:14-15 Jul-Aug '72
- What's happened to our mortar techniques. Maj Bill Spies. illus Infantry 62:54-55 Sep-Oct '72

MOTELS see Hotels and MotelsMOTHBALL FLEET

- The dwindling fleet. Sea Power 15:34-35 Apr '72

MOTHBALLING see

- Airplanes, Military--Storage  
Helicopters, Military--Storage  
Mothball Fleet

MOTION PICTURES

- Air Force Reserve Act One. Capt Robert Groom. illus Air Reservist 24:5 Mar '72
- Drug education films now available. TIG Brief 24:7 Nov 10 '72
- Have you seen these films on safety? TIG Brief 24:5 Nov 24 '72
- Support of motion picture production. TIG Brief 24:4 Sep 1 '72

MOTION SICKNESS

- Comparison of the sensitivity to rotation of pilots and nonpilots. Brant Clark and John D. Stewart. illus tabs Aerosp Med 43:8-12 Jan '72
- Direction-specific adaptation effects acquired in a slow rotation room. Ashton Graybiel and James Knepton. illus tabs Aerosp Med 43:1179-1189 Nov '72
- Effect of environmental temperature on sweat onset during motion sickness. Joseph A. McClure and Alfred R. Fregly. illus tab Aerosp Med 43:959-967 Sep '72
- Influence of vision on susceptibility to acute motion sickness studied under quantifiable stimulus-response conditions. W.J. Oosterveld and others. illus tabs Aerosp Med 43:1005-1007 Sep '72
- Motion sickness symptomatology and performance decrements occasioned by hurricane penetrations in C-121, C-130 and P-3 Navy aircraft. Robert S. Kennedy and others. illus tabs Aerosp Med 43:1235-1239 Nov '72
- Response from arousal and thermal sweat areas during motion sickness. Joseph A. McClure and others. illus Aerosp Med 43:176-179 Feb '72
- Semicircular canals as a primary etiological factor in motion sickness. Earl F. Miller II and Ashton Graybiel. illus tabs Aerosp Med 43:1065-1074 Oct '72



MOTION SICKNESS - Continued

Sweat sensor for qualitative measurements. Joseph A. McClure and others. illus Aerosp Med 43: 1230-1234 Nov '72

Theory of antinotion sickness drug mechanisms. C. D. Wood and A. Graybiel. illus Aerosp Med 43: 249-252 Mar '72

MOTION STUDY see Time and Motion Study

MOTIVATION (PSYCHOLOGY)

The East German Army: Training by motivation. Dennis Chaplin. RUSI J for Def Studies 117:62-65 Sep '72

Employee motivation. David Sirota. Persp in Def Mgt, pp 47-55, Autumn '72

Human relations and the military. LtCol David D. Field, Ret. Review 51:41-42+ Jan-Feb '72

The informal contract (between the organization and its members). LtCols Robert M. Elton and Dandridge M. Malone. illus Army 22:10-14 Sep '72

Motivation in the classroom. Maj Michael R. Jusko. illus USAF Instrs J 9:30-35 Spring '72

MOTOR VEHICLESSee also

Automobiles  
Trucks and Trucking

And leave the riding to us! Col Joe O. Bellino. illus Def Trans J 28:42-46 Mar-Apr '72

Buses--steam power, low pollution. illus Govt Exec 4:15 Jan '72

Claims policies liberalized for moving damage. Paul Collins and George Foster. AF Times 32:1+ May 17 '72

Highways and national defense. F. C. Turner. (Reprinted from Military Engineer, July-Aug 1971) illus Translog 3:2-4+ Dec '71-Jan '72

Smart cycling. tab TAC Attack 12:28-29 Aug '72

Drivers and Driving

Driver education to get revamped curriculum. AF Times 33:22 Aug 9 '72

Driver improvement--the fourth estate of road traffic safety. TIG Brief 24:19 Mar 24 '72

The Gauntlet. (Armored vehicle training at Fort Carson, Colo) Barney Halloran. illus Soldiers 27: 43-47 Oct '72

Hydroplaning, et al. David Girling. illus TAC Attack 12:20-21 May '72

"Implied consent" for chemical testing. TIG Brief 24:21 Mar 10 '72

Mechanical problems can become a hazard during summer driving. TIG Brief 24:2 Jun 16 '72

On any Sunday? (Motorcycle safety) illus Interceptor 14:11-13 Mar '72

Refueling

Tank fuelling. Col I. Pavlov. illus Soviet Mil Rev No. 9:48-49 Sep '72

MOTOR VEHICLES - ContinuedAir ForceMaintenance and Repair

Contractor-Operated PARTS Store (COPARS). IIG Brief 24:17 Sep 29 '72

Armed Forces

Tank-automotive news. Joseph B. Hayes. Regular feature in some issues of Ordnance

Army

Accurate estimates for resupply over earth roads. John H. Grier. illus Translog 3:23-24 Jun '72

Combat recon cyclists. Andrew Schneider. illus AF Times, Family sup:6-7+ Jul 5 '72

Dune its thing. SP4 Anthony Morrell. illus Soldiers 27:27 May '72

Goer--a high mobility logistics vehicle for the U.S. Army. Lee Putnam. illus tab Intl Def Rev 5:40-42 Feb '72

Infantry: Rolling against the punch. Col Ben S. Malcom. illus Infantry 62:6-9 May-Jun '72

Let's not spin our wheels too soon. (Proposals for Army's wheeled vehicles of the future) Joseph B. Hayes. illus Armed Forces J 110:36-37 Dec '72

TOE (Table of Organization and Equipment)--the story behind vehicle authorizations. Miles S. Abbott. Army Log 4:12-14 Sep-Oct '72

Study and Teaching

Tactical use of motorcycles. (Recondo platoon training at Fort Hood, Tex) Col Ben S. Malcom and Capt Jay H. Hickey. illus Infantry 62:23-27 Sep-Oct '72

MOUNTAIN FLYING

Mountain gunnery: One country's (Switzerland's) answer. Capt Leonard Ekman. illus USAF Ftr Wpns Rev No. 4:10-13 Winter '71

MOUNTAIN OPERATIONS

Getting to the top in Europe. SP5 Warren Taylor. illus Soldiers 27:50-53 Nov '72

Marines and mountains. Norman Kingsley. illus MarCor Gaz 56:32-36 Mar '72

MOVEMENT CONTROL

Here are entered articles on planning and control of movement of troops and supplies.

See also

Deployment

All troops ashore. SGM T. R. Blandford, 1 et. illus Translog 3:16-19 Feb '72

The computer and MATCH (MTMTS Automated Transportation sCHeduler) are here to stay. Edward B. Spoonamore. illus Translog 3:15-16 Mar '72

Contingency movement planning. Col William T. Purdy. illus Translog 3:8-9+ Jun '72

Move of the century (from Kentucky to Louisiana and back for Army Reserve summer training). Harold L. Craven. illus Translog 3:2-5+ Sep '72

MOVING see Household Effects

MOZAMBIQUE

Psychological warfare in North Mozambique. P.K. Huibregtse. NATO's Fifteen Nations 17:28-30 Apr-May '72

MULTILATERAL FORCE

NATO's Striking Fleet Atlantic. VADM Vincent Paul de Poix. illus NATO's Fifteen Nations 17:38-44 Feb-Mar '72

MULTINATIONAL CORPORATIONS see Corporations, InternationalMUNITIONS

Air Force conventional munitions program, 1947-1972. Col George E. Roedner. illus Review 52:27+ Sep-Oct '72

A better way. (Studies being conducted by TAWC's Tactical Applications Deputate) LtCol Charles F. Jackson and Maj Lemuel G. Lloyd, Jr. illus USAF TAWC Rev 3:14-16 Aug '72

Command emphasis on control of munitions--is it properly directed? TIG Brief 24:7 Jan 28 '72

Eglin's ADTC (Armament Development and Test Center)--business end of the Air Force. Interview. MajGen Jewell C. Maxwell. illus AF Mag 55:24-29 Aug '72

The "flyable" smart bomb--adding another dimension to airpower. (Interviews with Cols E. M. Munyon and B. K. Partin) Edgar Ulsamer. illus AF Mag 55:30-35 Aug '72

Munitions export control policies and procedures. Marvin J. Hout. illus Def Mgt J 8:49-52 Jul '72

Munitions handling equipment. TIG Brief 24:14 Sep 1 '72

Munitions Handling Equipment (MHE). TIG Brief 24:16 Sep 29 '72

The munitions maintenance squadron and security. TIG Brief 24:18 Apr 7 '72

The munitions role in environmental protection. TIG Brief 24:19 Mar 10 '72

Project "MUNICIP" (MUNitions CAPability). TIG Brief 24:6 May 5 '72

MUNITIONS COMMAND

Army Munitions Command attacks in-house pollution. MajGen Erwin M. Graham, Jr. illus Def Mgt J 8:60-63 Apr '72

MURPHY, John R.

Commanders meet human relations problems. (Remarks, 1st International Meeting, Brotherhood Assoc of Military Airmen, Tucson, Ariz, June 8, 1972) MajGen John R. Murphy. AF Pley Ltr for Comdrs: Sup No. 9:14-20 Sep '72

Educating and training America's youth. (Address, Georgia Retired Officers Assoc Convention Banquet, Savannah, Oct 13, 1972) MajGen John R. Murphy. AF Pley Ltr for Comdrs: Sup No. 12:7-13 Dec '72

MURRAY, John E.

Transportation in the Pacific Command. (From address, NDTA's 6th International Transportation Seminar-Pacific, Honolulu, Hawaii, Feb 7-9, 1972) por Translog 3:9-10+ Apr '72

MUSEUMS

Museum news. Regular feature in some issues of Aerospace Historian

Air Force--Great Britain

RAF Museum, Hendon. Bryan Philpott. illus tab Air Pict 34:416-422 Nov '72

Air Force--U.S.

The Air Force Museum. Cpts Walter E. Smith and David L. Puzas. illus Mil Engr 64:177-179 May-Jun '72

The BLS at Cape Kennedy. illus tab map Spaceflight pt 1, 14:40 Jan '72; pt 2, 14:45-49 Feb '72

The big hangar (Air Force Museum, Wright-Patterson AFB, Ohio). (Reprinted from Interceptor, Sep 1971) illus Contact 25:6-8+ Nov-Dec '71

Army--U.S.

Nostalgia on the Hudson. (West Point Museum) Barney Halloran. illus Soldiers 27:21-23 Mar '72

The Patton Museum. Col Earl W. Sharp. illus Armor 81:28-29 May-Jun '72

Marine Corps--U.S.

(Col) John Magruder: In memoriam. Col R. D. Heintz, Jr. Ret. illus MarCor Gaz 56:16-17 Nov '72

Canada

Recce to Rockcliffe: Canada's National Aeronautical Collection described. Bryan Philpott. illus tab Air Pict 34:262-265 Jul '72

Great Britain

Skyfame (Aircraft Museum) Staverton (Eng). Peter M Thomas. illus Air Pict 34:228-229 Jun '72

Switzerland

The Swiss Transport Museum (at Lucerne). A. Waldis. illus Interavia 27:722-723 Jul '72

United States

NC-4 rots as overrun plagues (Smithsonian's National) Air Museum. illus Armed Forces J 109:17 Apr '72

MUSIC, MILITARY

See also  
Bands (Music)

Music and the military. Capt James Conely. illus AU Rev 23:68-72 Mar-Apr '72

MUTINY

Are Z-grams backfiring? Col R. D. Heintz, Jr. Armed Forces J 110:29 Dec '72

History

The first Mutiny Act--its antecedents and some developments. R. E. Scouller. Army Qtr 102:330-337 Apr '72

NASA see National Aeronautics and Space Administration

NATO see North Atlantic Treaty Organization

NAUS see National Association for Uniformed Services

NGAUS see National Guard Association

NOAA see National Oceanic and Atmospheric Administration

NORAD see North American Air Defense Command

NROTC see Reserve Officers Training Corps--Navy

## NAMES

Maiden name use OK'd in some cases. AF Times 33: 67 Nov 29 '72

## NAPOLEONIC WARS

Waterloo--Wellington's right flank. LtCol J. G. O. Whitehead. maps Army Qtr 102:201-208 Jan '72

## NASH, Slade

(MajGen Robert N. Ginsburgh named director of Office of Information, Office of the Secretary of the AF(SAFOI); BrigGen Slade Nash appointed deputy) por AF Mag 55:27 May '72

## NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

See also subdivision under specific subjects, e. g.,

Space Programs--United States--National Aeronautics and Space Administration

Almost all conditions are 'go' for the space shuttle. Interview. Wernher von Braun. illus AF Mag 55:20-26 Mar '72; Aerosp Intl 8:6-8+ May-Jun '72

NASA schedule for 1972. Space World I-3-99:22-23 Mar '72

## NATIONAL ASSOCIATION FOR UNIFORMED SERVICES

NAUS cites U.S. 'doles' in call for retired pay re-computation. AF Times 33:5 Dec 20 '72

## NATIONAL BUREAU OF STANDARDS

The role of the Department of Commerce in telecommunications. Armig G. Kandoian. illus Signal 26:82-86 Jun '72

## NATIONAL CHARACTERISTICS, CHINESE

The Chinese mind: A probing and exploration. (Lecture, Naval War College, 1971) Clyde B. Sargent. illus Nav War Col Rev 24:41-49 Jan '72

## NATIONAL DEFENSE see Defenses

## NATIONAL DEFENSE TRANSPORTATION ASSOCIATION

Highlights of the (NDTA 27th Annual Transportation & Logistics) Forum (and Exposition, San Antonio, Sep 24-27, 1972). illus Def Trans J 28:46-57 Nov-Dec '72

Military Unit Awards (for outstanding service in field of transportation and logistics). Def Trans J 28:120+ Sep-Oct '72

1972 Forum section: 27th Annual Transportation and Logistics Forum & Exposition (San Antonio, Sep 24-27, 1972). illus Def Trans J 28:71+ Sep-Oct '72

A salute to (MajGen) W. Thomas Rice (Ret, Chmn and Chief Executive Officer, Seaboard Coast Line Railroad)--National Transportation Award winner. illus Def Trans J 28:26-29 Jul-Aug '72

## NATIONAL DEFENSE TRANSPORTATION ASSOCIATION - Continued

Thomas Rice (Chairman and Chief Executive Officer, Seaboard Coast Line Railroad) selected for (1972) National Transportation Award. illus Def Trans J 28:91 May-Jun '72

## NATIONAL GOALS see National Policy

## NATIONAL GUARD

### Air Force

ANG--combat ready all week long. illus AF Mag 55:122-123 May '72

ANG Creek Guardlift (for military travelers in Europe). illus map Air Reservist 24:8-9 Feb '72

ANG forces more out. AF Times 32:6 Jan 12 '72

ANG offers jobs as technicians. AF Times 32:15 Feb 9 '72

ANG to act as Otis (AFB, Mass) 'host.' AF Times 33:19 Oct 4 '72

ANG to get Otis AFB (Mass) in wave of unit shuffles. AF Times 32:55 Apr 12 '72

ANG toughens drill policy. AF Times 32:10 Apr 19 '72

Air Guard gets workout over Turkey (in NATO Exercise Deep Furrow). LtCol Theodore C. Wagner. illus Natl Guardsman 26:8-9 Jan '72

Air National Guard's outstanding units. (Outstanding Unit Award winners) illus Air Reservist 24:6-7 May '72

Air University classes, quotas, announced for ANG. Natl Guardsman 26:16 Mar '72

Communication is a two-way street. (Report on ANG Commanders' Conference, Denver, 1971) illus Natl Guardsman 26:26-27+ Jan '72

Competitions--Comfort Silver, Combat Airlift, William Tell. illus Air Reservist 24:4-5 Nov '72

Daggers to Darts (at 120th Ftr Gp, ANG). illus Air Reservist 24:6-7 Jul '72

EM Palace Chase bids suspended. AF Times 33:8 Dec 20 '72

Employer support of the Guard and the Reserve. (Report on NG and Reserve Forces Seminar, AFA Convention, Washington, Sep 20, 1972) Maj Robert W. Hunter. illus AF Mag 55:82-86 Nov '72

Exercise "Exotic Dancer" (V). illus Natl Guardsman 26:22-25 Jul '72

Exercises Brave Shield, North Forty 1 and Deep Furrow. illus Air Reservist 24:8-10 Mar '72

Exercises Deep Furrow, Creek Party, Polar Cap, Rivet Switch. illus Air Reservist 24:6-7 Nov '72

59 units open to Palace Chase. AF Times 33:23 Sep 13 '72

Fighters compete in William Tell meet in quest of Richard Bong trophy. AF Times 33:43 Sep 20 '72

5 ANG recruiters needed (by National Guard Bureau to monitor regional recruiting programs). AF Times 32:17 Aug 2 '72

Flood relief... Civic Action works. illus Air Reservist 24:8-9 Aug-Sep '72

Gallant Hand '72. illus Air Reservist 24:8-9 May '72

A growing part of the team (ANG). TIG Brief 24:1 Dec 22 '72



NATIONAL GUARD - ContinuedAir Force - Cont'd

Guard technician slots open. AF Times 33:5 Aug 16 '72

Guard to screen 20-year officers. AF Times 33:8 Nov 15 '72

Guard's airlift capability fading with mission changes. Natl Guardsman 26:16-17 Jan '72

Guardsmen alerted to state benefits. AF Times 32:42 Jul 26 '72

The heat is on! (ANG wg and base commanders meet under auspices of the National Guard Bureau's Air Directorate) Natl Guardsman 26:28-29+ Apr '72

IG's advice for commanders. (Address, 94th General Conference, NGAUS, San Francisco, Sep 12, 1972) LtGen Louis L. Wilson, Jr. AF Pley Ltr for Comdrs: Sup No. 12:15-23 Dec '72

In good hands. ("Industry Day" at ANG's NCO Academy) illus Natl Guardsman 26:26-27 Jun '72

Justice charges ANGers. Len Famiglietti. AF Times 32:2 Mar 8 '72

Manpower troubles face ANG. Paul Collins. AF Times 32:2 Mar 15 '72

New ideas in community service (for Air Reserve and Air Guard units). Col Frank Martineau. illus Air Reservist 23:4-7 Dec '71-Jan '72

New requirement added to Palace Chase. AF Times 33:22 Nov 1 '72

9 top ANG officers guilty of fund raising. AF Times 32:2 Feb 23 '72

Outstanding Unit Award (to USAFR and ANG units). illus Air Reservist 24:3 Nov '72

'Palace Chase' lists 14 state openings. AF Times 33:10 Oct 18 '72

Palace Chase, unit shifts overlap--8,000 want Reserve transfers. AF Times 32:55 Apr 19 '72

Plenty busy at the panel. (CAP and National Guard Bureau cooperate to provide training for ANG air traffic controllers) illus Natl Guardsman 26:28-29 Jun '72

Reserve readiness--the name of the game at TAC. BrigGen Howard T. Markey. illus AF Mag 55: 56-59 Oct '72; Adaptation. Air Reservist 24: 10-11 Nov '72

Reserves list point values for retirees. tab AF Times 32:8 Jan 26 '72

Reserves to lift lid on NCOs. Gene Spooner. AF Times 32:4 Jul 5 '72

Sentry Creole 1--up front with the Infantry. illus Air Reservist 24:12-13 Jun '72

"Summertime... and the living is easy." (ANG and USAFR summer training tours) illus Air Reservist 24:3-11 Oct '72

TAC/ANG/AFRES Advisory Safety Council. illus TAC Attack 12:27 Jul '72

Tactical Empire State (NY ANG). illus Air Reservist 24:4-5 Apr '72

Technician slots available--ANG, Reserve positions. Gene Spooner. AF Times 32:8 Jul 19 '72

NATIONAL GUARD - ContinuedAir Force - Cont'd

37 ANG outfits set active duty. AF Times 32:51 Mar 1 '72

20-year career assured for Guard. AF Times 32:4 Mar 22 '72

The war against water. (ANG and ARNG rescue work after Hurricane Agnes) illus Natl Guardsman 26: 2-9+ Aug-Sep '72

What's going on in the Air National Guard? (Report from NGAUS 94th General Conference, San Francisco, Sep 11-14, 1972) illus Natl Guardsman 26: 20-23+ Nov '72

History

ANG-USAFR are also (25). illus Air Reservist 24: 4-5 Aug-Sep '72

Statistics

Reserve Forces gain men despite zero draft quotas. Paul Collins. AF Times 32:3 Feb 16 '72

Terminology

Interceptor's guide to the ANG. Interceptor 14:23 May '72

Armed Forces

Adjutants General (Assoc, Annual Conference, Reno, Nev, May 1972) focus on people and readiness. illus Natl Guardsman 26:22-25 Jun '72

Aid for Reserve Forces--business group growing. AF Times 33:19 Sep 13 '72

An all-volunteer National Guard. Col Warren K. Wells. Natl Guardsman 26:22-23 Mar '72

Combat-ready status ordered for Reserves. Ed Gates. AF Times 32:1+ Mar 1 '72

An exchange of ideas. (Ad hoc group of Guardsmen and Reservists rap with each other and with Pentagon officials) Natl Guardsman 26:30 Apr '72

Flexible excusal policy urged for Guard units. AF Times 33:45 Dec 13 '72

GM inks Reserve pact. Ed Gates. AF Times 33:1+ Dec 27 '72

Guard conducts 'one Army' tests. AF Times 33:44 Aug 16 '72

The Guard's strong, helping hands. illus Natl Guardsman 26:10-14+ Jan '72

in the public's service. illus Natl Guardsman 26:2-10 Oct '72

(NGA president's comments) MajGen James F. Cantwell. Regular feature in issues of National Guardsman

Revitalizing Reserves. (Excerpts from Defense Posture Statement) Melvin Laird. illus Officer 48:10-11 Apr '72

Sit up and take notice. (Exercise Brave Shield) illus Natl Guardsman 26:16-18 May '72

Tax breaks for Reservists--part-timers' problems analyzed. Bill Kreh. AF Times 32:41 Mar 15 '72

View from the Hill, a legislative report (on Guard related bills). Col James B. Deerin. Natl Guardsman 26:39 Nov '72

NATIONAL GUARD - ContinuedArmed Forces - Cont'd

What's "big" in '72? (Adjutants General Assoc and NGAUS Executive Council meetings, Washington, Jan 1972) illus Natl Guardsman 26:22-25+ Feb '72

History

The Reserves and National Guard: Their changing role in national defense. John R. Probert. illus Nav War Col Rev 24:66-75 May '72

Statistics

Guard strength picture brightens but Army Guard still short of goal. Natl Guardsman 26:10 Jun '72

Army

Army Guardsmen in blue coats. Maj Thomas B. Gordon. illus Natl Guardsman 26:26-28 Mar '72

Citizen-soldiers lend a helping hand. illus Army 22:26-28 Apr '72

Exercise "Exotic Dancer" (V). illus Natl Guardsman 26:22-25 Jul '72

(Guardsmen as) lifeguards on the highways. illus Natl Guardsman 26:28-29 Oct '72

A helping hand. (Army Guard medics aid 7,000 Puerto Ricans) illus Natl Guardsman 26:30-31 May '72

In a time of need. (ARNG aids West Virginia flood victims) 1stLt Luther L. Walker. illus Natl Guardsman 26:2-9 Apr '72

In Reserves, watchword is relevance. LtGen Harris W. Hollis. illus Army 22:74-80 Oct '72

Is Pentagon Reserve planning realistic? BrigGen Lynn D. Smith, Ret. illus Army 22:12-17 Feb '72

It's an adventure! (ARNG training) illus Natl Guardsman 26:10-16 Apr '72

A management challenge: Army Aviation in the National Guard. BrigGen James S. Brooks. illus USA Avn Dig 18:5-7 Mar '72

The Marines cut a Gordian knot. LtCol William V. Kennedy. US Nav Inst Proc 98:109-111 Dec '72

Mutual support. illus Natl Guardsman 26:2-9 Feb '72

Mutual support in Army Aviation. LtCol Arthur E. Magary. illus USA Avn Dig 18:34-35 Mar '72

NGB pondering how to absorb big funds cuts. tab Natl Guardsman 26:15-16 Dec '72

The National Guard and national security. Maj John Lee. illus Mil Rev 52:9-16 Jan '72

National Guard Aviation prepares for readiness role. LtCol Charles R. Jones. illus USA Avn Dig 18:18-21 Mar '72

National Guard post planning. (Camp Smith, NY) LtCol Raymond E. Bell, Jr. illus Mil Engr 64:186-187 May-Jun '72

One Army team works in West Virginia. CWO Michael Lopez. illus USA Avn Dig 18:26-27 May '72

Pick up the pieces. (West Virginia ARNG aids flood victims) Lt Luther L. Walker. illus Soldiers 27:41-42 Jun '72

Priority aggregate strength. BrigGen James S. Brooks. tabs Natl Guardsman 26:10-12 Feb '72

NATIONAL GUARD - ContinuedArmy - Cont'd

Sentry Creole 1--up front with the Infantry. illus Air Reservist 24:12-13 Jun '72

Strength, training, readiness. (National Guard Bureau Army Directorate's Management Conference, Cheyenne, Wyo and Louisville, Ky, March 1972) Natl Guardsman 26:25-27 May '72

These troubled times. Regular feature in some issues of National Guardsman

"They couldn't say 'thank you' enough." (The National Guard and the Rapid City, SD flood) illus Natl Guardsman 26:8-12 Jul '72

"They know who we are!" Small-town Guard unit's (1st Magazine Platoon, 169th Ordnance Co) good deeds for the community are returned in kind, and pay off in high esprit. illus Natl Guardsman 26:28-29 Jan '72

Toward real Reserve readiness: The case for the cadre system. Gen Hamilton H. Howze, Ret. Army 22:12-16 Aug '72

Training can be "different!" illus Natl Guardsman 26:8-13 Dec '72

The war against water. (ANG and ARNG rescue work after Hurricane Agnes) illus Natl Guardsman 26:2-9+ Aug-Sep '72

What's going on in the Army National Guard? (Report from NGAUS 94th General Conference, San Francisco, Sep 11-14, 1972) illus Natl Guardsman 26:14-18 Nov '72

Statistics

National Guard Aviation prepares for readiness role. LtCol Charles R. Jones. illus USA Avn Dig 18:18-21 Mar '72

NATIONAL GUARD ASSOCIATION

(Awards, NGAUS 94th General Conference, San Francisco, Sep 11-14, 1972) illus Natl Guardsman 26:34-38 Nov '72

The Military Posture of these United States. (Resolution No. 2, NGAUS 94th General Conference, San Francisco, Sep 13, 1972) Natl Guardsman 26:28 Nov '72

72 conclaves, highlights. (Summary of the NGAUS 94th General Conference, San Francisco, Sep 11-14, 1972 and AFA's 26th National Convention, Washington, Sep 17-21, 1972) illus Air Reservist 24:8-9 Nov '72

Quotes from the featured speakers (at NGAUS 94th General Conference, San Francisco, Sep 11-14, 1972). illus Natl Guardsman 26:8-11 Nov '72

The San Francisco (94th) General Conference (of NGAUS, Sep 11-14, 1972). illus Natl Guardsman 26:2-7 Nov '72

The shifting strategic balance. (Position paper, Executive Council, NGAUS) Natl Guardsman 26: inside front cover Mar '72

What's "big" in '72? (Adjutants General Assoc and NGAUS Executive Council meetings, Washington, Jan 1972) illus Natl Guardsman 26:22-25+ Feb '72

Where matters stand: A follow-up on the NGAUS' 1971 General Conference resolutions. Natl Guardsman 26:32-38 Aug-Sep '72

NATIONAL GUARD BUREAU

NGB pondering how to absorb big funds cuts. tab  
Natl Guardsman 26:15-16 Dec '72

Plenty busy at the panel. (CAP and National Guard  
Bureau cooperate to provide training for ANG  
air traffic controllers) illus Natl Guardsman  
26:28-29 Jun '72

Strength, training, readiness. (National Guard  
Bureau Army Directorate's Management Confer-  
ence, Cheyenne, Wyo and Louisville, Ky, March  
1972) Natl Guardsman 26:25-27 May '72

What's "big" in '72? (Adjutants General Assoc and  
NGAUS Executive Council meetings, Washington,  
Jan 1972) illus Natl Guardsman 26:22-25+ Feb '72

NATIONAL MILITARY COMMAND SYSTEM

Command and control improvements on the front  
burner. Thomas C. Steinhauser. illus Armed  
Forces J 109:46-47 May '72

How the NMCC (National Military Command Center)  
works--a winning team. Thomas C. Steinhauser.  
illus Armed Forces J 109:48-49 May '72

NATIONAL OCEANIC AND ATMOSPHERIC ADMINIS-  
TRATION

Data buoys--Gulf gets a "monster." illus Govt Exec  
4:22-23 Jul '72

Flag and general officers of the naval services;  
officers of flag rank of the U.S. Navy, U.S.  
Coast Guard, and NOAA. and general officers of  
the U.S. Marine Corps on active duty as of 1 Jan-  
uary 1972. Pors only. US Nav Inst Proc 98:281-  
317 May '72

Geostationary environmental satellites. J. Gordon  
Vaeth. map illus (Also cutaway) Spaceflight 14:  
370-374 Oct '72

NOAA's Vice Adm(iral) William Behrens: "... Much  
to be done." illus Govt Exec 4:34 Jun '72

NATIONAL POLICY

Contemporary foreign policy in historical perspec-  
tive. (Address, Naval War College) Joseph C.  
Harsch. Nav War Col Rev 25:10-19 Nov-Dec '72

China (People's Republic)

National goals and objectives of the People's Republic  
of China. Col John E. Coon. illus map Parameters  
1:18-21 Winter '72

National objectives of the People's Republic of China.  
LtCol James H. Buck, Ret. illus Mil Rev 52:25-37  
Dec '72

Great Britain

Imperialism--enemy of social progress. L.  
Vidyasova. Soviet Mil Rev No. 4:46-48 Apr '72

Some antecedents of British defence policy. Philip C.  
Brooks. Army Qtr 102:70-80 Oct '71

India

India--an economic failure or a potential superpower?  
Demitri B. Shimkin. illus Nav War Col Rev 24:1-8  
May '72

Japan

Power in search of purpose. (Japan's future role in  
the balance of power) Terrell E.S. Arnold. Forum  
No. 13:70-91 Fall '71

NATIONAL POLICY- ContinuedRussia

Czechoslovakia, Ukrainian separatism and Soviet  
security. A.H.S. Candlin. map Army Qtr 102:209-  
220 Jan '72

Imperialism--enemy of social progress. L.  
Vidyasova. Soviet Mil Rev No. 4:46-48 Apr '72

Peace programme in action. Vasily Vefremov. illus  
Soviet Mil Rev No. 1:53-55 Jan '72

The Soviet Navy's role in foreign policy. CDR  
Richard T. Ackley, Ret. illus tabs maps Nav War  
Col Rev 24:48-65 May '72

United States

The American military: A reappraisal. Richard A.  
Aliano. illus Mil Rev 52:51-57 Jan '72

Arms and diplomacy. (Address, Royal Military Col-  
lege, Canberra, Australia, March 14, 1972)  
MajGen Robert N. Ginsburgh. AF Pley Ltr for  
Comdrs: Sup No. 7:6-10 Jul '72

Civil-military relations in the 1980s. Col Richard F.  
Rosser. Mil Rev 52:18-31 Mar '72

Clay T. Whitehead addresses AFCEAns (Washington,  
Feb 1972)--discusses proposed council for  
federal government communications. Signal  
26:10-11 May '72

Communications--a case for national priority.  
(Address, AFCEA, Washington, June 7, 1972)  
Robert C. Wilson. illus Signal 26:18-21 Jul-Aug '72

The Defense budget: Realities of deterrence and  
strategic priority. John S. Foster, Jr. Persp in  
Def Mgt. pp 1-5, Spring '72

Defense Secretary Melvin Laird: Reordered priorities  
and fenced-in planning. Interview. illus Govt Exec  
4:50-52 Apr '72

Domestic tranquility and the common defense. John  
J. Clark. illus US Nav Inst Proc 98:38-44 Aug '72

Ends and means. Col Charles F. Bunnell, Jr. illus  
MarCor Gaz 56:27-34 Aug '72

Imperialism--enemy of social progress. L.  
Vidyasova. Soviet Mil Rev No. 4:46-48 Apr '72

Meeting the challenge of change--a discussion of:  
Strategy of realistic deterrence; Defense funding  
considerations; Quality control of C&E equipment.  
Industry-military cooperation. BrigGen D. L.  
Werbeck. illus Signal 27:10-17 Oct '72

The military and national interests. Col Robert  
Loeder and Col C.F. Bunnell. illus MarCor Gaz  
56:26-35 Nov '72

National defense and national priorities. (Excerpts  
from study by the same name, prepared by the  
Council on Trends and Perspective of the Chamber  
of Commerce of the U.S.) tabs Signal 26:14-21  
Apr '72; Excerpts from Chapter 3. Mil Rev 52:  
68-79 May '72

National policy and its effects on Defense communica-  
tions and electronics. (Address, AFCEA, Washing-  
ton, June 8, 1972) Eberhardt Rechtin. illus Signal  
26:22-24 Jul-Aug '72

The new isolationism. William V. Kennedy. Ordnance  
56:469-472 May-Jun '72



NATIONAL POLICY - ContinuedUnited States - Cont'd

Policy for the provision of electronic warfare capability to NATO. Elect Warfare 4:10 Summer '72

Social needs and national priorities. Leon H. Keyserling. Persp in Def Mgt, pp 39-47, Winter '71-'72

State of the Nation. Leo Cherne. Persp in Def Mgt, pp 1-10, Winter '71-'72

The United States and the European Community. James Robert Huntley. NATO's Fifteen Nations 17:73-74+ Jun-Jul '72

U.S. foreign policy: A historical perspective. (Lecture, Naval War College) Frederick H. Hartmann. illus Nav War Col Rev 24:33-40 Mar '72

NATIONAL POWER

National power and national security. Paul C. Warnke. Forum No. 15:8-17 Spring '72

The nature of national power. Karl W. Deutsch. Forum No. 16:1-13 Fall '72

The new isolationism. William V. Kennedy. Ordnance 56:469-472 May-Jun '72

NATIONAL SECURITY see Security, NationalNATIONAL SECURITY ACT OF 1947

Roles and missions: Time for a change. Capt James H. Webb. illus tabs MarCor Gaz 56:19-26 Mar '72; Comment. Col J.E. Greenwood. 56:56 Apr '72; Comment. Col Marc A. Moore and LtCol Alfred J. Croft, Jr. 56:18-24 Jun '72

NATIONAL SECURITY COUNCIL

President Nixon's National Security Council system (1969-70). Col Emil N. Block, Jr. chart Forum No. 14:60-77 Winter '71

NATIONALISM

Dilemma of the political context. Derek Heater. Royal Air Forces Qtr 12:109-112 Summer '72

Escalation or detente in the Middle East. LtCol James B. Peabody. illus tab Mil Rev 52:35-49 Apr '72

Nationalism: Curse or cure for the Middle East? LtCol James B. Peabody. illus Mil Rev 52:12-21 Nov '72

Nations: Flourishing, drawing together. (Interview with Bobodjan Gafurov) illus Soviet Mil Rev No. 10: 2-5 Oct '72

NATURAL RESOURCESSee alsoMinerals

Earth resources satellites: Rescuing Earth from outer space. Maj W. D. Siuru, Jr and William G. Holder. illus tab Spaceflight 14:167-171+ May '72

Earth resources technology satellite--what it will do. illus Space World 1-10-106:4-14 Oct '72

Satellite for human need (ERTS-1). illus Spaceflight 14:381-382 Oct '72

NATURAL RESOURCES - ContinuedUnited States

Conservation and management of natural resources under Air Force control. TIG Brief 24:9-10 Apr 7 '72

Ecology gets boost in updated manual (AFM 126-1). AF Times 32:19 Mar 22 '72

Manpower, natural resources and productivity. F. Ray Marshall. Forum No. 15:1-7 Spring '72

NAVAL ACADEMY, ANNAPOLIS, MD

Academies too costly? Public feels otherwise. Ed Gates. AF Times 32:13 Jun 7 '72

Annapolis under seige. Robert J. Boylan. illus Sea Power 15:19-23 Mar '72

Cadets get insurance coverage. AF Times 32:50 Jul 5 '72

Chapel case cause for concern. George Foster. AF Times 33:13 Dec 6 '72

Naval Academy's Vice Adm Mack: "Officer requirements get tougher every year." illus Govt Exec 4:25 Sep '72

NAVAL AIR TEST CENTER

Naval Air Test Center tour. LtCol Richard L. Dennis MarCor Gaz 56:56-57 Jan '72

NAVAL ART AND SCIENCE see Military Art and ScienceNAVAL AVIATIONGreat Britain

British military aircraft accidents. John Marriott. tab Armed Forces J 110:58 Sep '72

Who sank the carriers? What went on in Whitehall--lessons we must never forget. illus Air Pict 34:48-50 Feb '72

History

(H.M.S.) "Eagle" and her brood--a look at the lives of the ship and her squadrons. illus Air Pict 34:40-42 Feb '72

JapanHistory

Japanese Naval Aviation. Capt Toshikazu Ohmae and CAPT Roger Pineau. illus tabs US Nav Inst Proc 98:68-77 Dec '72

United States

Naval aviators: White sheep or black sheep? LT T. G. Shown. US Nav Inst Proc 98:96-98 Aug '72

NavCad or college grad? (Recruitment, education, and retention of naval aviators) CAPT James E. Williams. illus US Nav Inst Proc 98:49-53 Apr '72

Prediction of pilot performance during initial carrier landing qualification. C.A. Britson and others. illus tabs Aerosp Med 43:483-487 May '72

The role of the carrier in the control of the seas. CAPT Stephen T. De La Mater. illus tab US Nav Inst Proc 98:110-125 May '72

The tiger vs the fool--ASOs (Aviation Safety Officers) speak out. illus Approach 18:1-3 Dec '72

NAVAL AVIATION - ContinuedUnited States - Cont'dEquipment

Old, new; tried, true. (Naval aircraft and missile weaponry) illus Sea Power 15:36-37 Nov '72

History

Hellcat 40467--the history of one F6F. Richard M. Hill. illus Am Avn Hist Soc J 17:201-205 Fall '72

Naval Reserve Aviation Base. Long Beach (Calif), 1929-1942. Allen E. Morgan. illus Am Avn Hist Soc J pt 1, The early years. 16:280-285 Winter '71; pt 2, Major training base buildup to WW II. 17:30-35 Spring '72; pt 3, Post script. 17:191-199 Fall '72

The pioneer years. illus Approach pt 1, 1910-1913. 18:12-16 Jul '72; pt 2, 1914-1916. 18:10-14 Aug '72

NAVAL BASESSee also

Air Bases, Naval

Baltic States

The cork in the Baltic bottle. Lawrence Griswold. maps illus Sea Power 15:9-13 Jan '72

Norway

Twenty-four fathoms--underground. (Norway's Haakonvern NB) Desmond Wettern. illus US Nav Inst Proc 98:121-122 Mar '72

United States

Naval bases are entered by name and location as given by the U.S. Organization Chart Service's U.S. Military and Government Installation Directory.

History

Little Egypt's naval station (Cairo Naval Station, Ill). Dana M. Wegner. illus US Nav Inst Proc 98:74-76 Mar '72

Great Lakes, Ill

Seven days in July. CDR Jack M. White. illus US Nav Inst Proc 98:37-41 Jan '72

Norfolk, Va

"Tidewater Navy"; the Norfolk naval complex. Pictorial. US Nav Inst Proc 98:71-85 Aug '72

NAVAL BASES, AMERICANCuba

Living in Gitmo. Andrew Schneider. illus AF Times. Family sup:12-15+ Nov 15 '72

Diego Garcia

Mission--explore Diego Garcia. (Joint U.S. and U.K. communications facility) LCDR George S. Robinson, Jr. illus map Mil Engr 64:120-121 Mar-Apr '72

Puerto Rico

Guano and puff rounds: Navy starts Culebra pullout. map Armed Forces J 109:13 Feb '72

NAVAL LIFE see Military Life

NAVAL MATERIAL COMMAND

New helmsman (VADM Isaac C. Kidd) on a stormy sea: Naval Material Command. Scot MacDonald. Govt Exec 4:68+ Apr '72

NAVAL RESEARCH LABORATORY

The SOLRAD (SOLAR RADiation) satellite. Space World I-1-97:22-25 Jan '72

USNS Hayes (T-AGOR-16): The Navy's twin-hulled fracture finder. Merle Macbain. illus Sea Power 15:22-26 Nov '72

NAVAL STATIONS see Naval BasesNAVAL WARFARE

"Battle-mindedness." CAPT R.A. Bowling. illus US Nav Inst Proc 98:41-45 Oct '72

Law of naval warfare. (Lecture, Naval War College, 1971?) CAPT William O. Miller. illus Nav War Col Rev 24:35-42 Feb '72

Mahan and naval strategy in the nuclear age. (Lecture, Naval War College) CDR James A. Barber. illus Nav War Col Rev 24:78-88 Mar '72

Midway to Tonkin: A generation of carriers. George M. Hall. illus Sea Power 15:14-19 Jun '72

Shock (wave) and (electromagnetic) pulse: New naval weapons? Armed Forces J 110:21-22 Sep '72

History

'A thousand feints.' George Washington learns the lessons of sea power and a French fleet tips the balance. William J. Humphreys. illus map Sea Power 15:19-25 Feb '72

NAVAL YARDS see Naval BasesNAVIGATIONSee also specific types of navigation, e. g.,

Radar Navigation

Radio Navigation

Space Navigation

Buoys will be buoys. LCDR J.F. Meade. illus US Nav Inst Proc 98:74-79 Nov '72

History

Stand tall: You're in navigator country. illus Combat Crew 23:20-23 Jun '72

Study and Teaching

Galaxy training. Maj John R. Livingstone and Capt David R. Nelson. illus Navigator 19, No. 1:8-11 '72

Orienteering. Maj Robert L. Sloane. illus map Armor 81:20-23 Nov-Dec '72

NAVIGATION, AIR

The component technique. Capt Charles F. Smith. illus USAF Ftr Wpns Rev, pp 12-15, Fall '72

F-4 precision low altitude navigation. Maj Richard F. Meyer. illus USAF Ftr Wpns Rev, pp 20-22, Spring '72

The highly proportional HSI (Horizontal Situation Indicator). Capt Curtis A. Routhey. illus TAC Attack 12:24-26 Jul '72

Implementing area navigation. tabs Interavia 27:616-617 Jun '72

NAVIGATION, AIR - Continued

Low level (navigation) proficiency. Capt Carl A. Meyer. illus USA Avn Dig 18:2-5 Apr '72

One-minute CARP (Computed Air Release Point). Capt Jerald M. Davis. illus Navigator 19, No. 1:12-16 '72

The way of the future: Low level. LtCol Donald R. Hull. illus USA Avn Dig 18:2-3+ Oct '72

What's R-NAV or aRea NAV(igation)? Maurice Current. illus Combat Crew 23:4-7 Sep '72

Study and TeachingHistory

The application of air navigation. 1stLt Norris B. Harbold. (Reprinted from Air Corps News Letter (Air Force), Aug 15, 1935) Navigator 19, No. 3:2-3 '72

NAVIGATION, INERTIAL

Automated navigation management in the cockpit. illus Interavia 27:258-259 Mar '72

Inertial primer. Maj John R. Livingstone. illus Navigator 19, No. 2:1-6 '72

NAVIGATION, INTERPLANETARY see Space NavigationNAVIGATION, POLAR

Grid and bear it--pole vaulting made easy. Maj Covert Soule, Jr and Capt Albert T. Oldham. illus Navigator 19, No. 1:20-21 '72

NAVIGATION INSTRUMENTS

See also specific types of instruments, e. g. . Compasses

Flying high (in C-141). Capt Michael B. Purcell. Navigator 19, No. 1:26-27 '72

The navigator gets rid of his excess baggage. (Reprinted from Air Force, June 1956) Louis Alexander. Navigator 19, No. 3:5-7 '72

One-minute CARP (Computed Air Release Point). Capt Jerald M. Davis. illus Navigator 19, No. 1:12-16 '72

VADS (Visual Aerial Delivery Sight). Maj James C. Bobick. illus USAF TAWC Qtr Rpt 3:10-13+ Jan '72

History

The application of air navigation. 1stLt Norris B. Harbold. (Reprinted from Air Corps News Letter (Air Force), Aug 15, 1935) Navigator 19, No. 3:2-3 '72

Study and Teaching

Galaxy training. Maj John R. Livingstone and Capt David R. Nelson. illus Navigator 19, No. 1:8-11 '72

NAVIGATION SYSTEMSSee also

Loran  
Omega

Automated navigation management in the cockpit. illus Interavia 27:258-259 Mar '72

Low/Medium Frequency (L/MF) beacon AN/TRN-30 (XE-1) (V). Anthony M. Marzano. illus tabs USA Avn Dig 18:32-35 Apr '72

PMDS (Projected Map Display System) has arrived. Maj Bob Lawler. illus TAC Attack 12:24-25 Jun '72

NAVIGATION SYSTEMS - ContinuedStudy and Teaching

T-43A airborne navigator trainer. illus Navigator 19, No. 3:14-20 '72

NAVIGATORS

The deadliest man in the world. James Perkins. (Reprinted from Air Force, Oct 1958) illus AF Mag 55:122-124 Sep '72

FAA nav exam. Capt Louis R. Volpicelli. illus Navigator 19, No. 2:10-11 '72

Navigating the C-133. Capt Larry M. Ahmand. illus Navigator 19, No. 1:22-24 '72

Navigator career management. LtCol George R. Davidson. illus tabs Navigator 19, No. 3:26-28 '72

Navigator error! LtCol Harold A. Barfknecht. (Adapted from MAC Flyer, Feb 1968) Navigator 19, No. 2:11-12 '72; MAC Flyer 19:14-15 Oct '72

The navigator gets rid of his excess baggage. (Reprinted from Air Force, June 1956) Louis Alexander. Navigator 19, No. 3:5-7 '72

Overhaul set for nav(igator) force. AF Times 33:3 Oct 4 '72

Pilots vs navigators: Roles won't change. Bruce Callander. AF Times 33:13 Nov 1 '72

Stand tall: You're in navigator country. illus Combat Crew 23:20-23 Jun '72

2,200 to leave flying jobs--put in rated supplement. AF Times 32:3 Apr 19 '72

Education and Training

The big leap--190 to 690 (knots airspeed). Capt Clifford L. Winburn. illus Navigator 19, No. 1:17-20 '72

A crow by any other name is "a navigator?" Cpts George A. Nelson, Jr and Nathaniel S. Wallis. illus Navigator 19, No. 2:20-22 '72

Galaxy training. Maj John R. Livingstone and Capt David R. Nelson. illus Navigator 19, No. 1:8-11 '72

ISD (Instructional Systems Development). Maj Leonard P. Zych and Capt Richard I. Smith. illus Navigator 19, No. 3:11-13 '72

Improvements begun in flight instructions. AF Times 32:3 May 3 '72

NBT (Navigator-Bombardier Training). Capt Roger E. Rosenberg. Navigator 19, No. 3:25-26 '72

Navigator training overhauled. (Interview with Col J. L. Price, Jr) Ted R. Sturm. illus Airman 16:42-43 Aug '72

New environment for navigation training. TIG Brief 24:2 Dec 22 '72

Senior Staff Navigator Course (SSNC). LtCol James W. Porter and Capt Arnold J. Gittleman. Navigator 19, No. 3:10 '72

T-43A airborne navigator trainer. illus Navigator 19, No. 3:14-20 '72

The UNTS (Undergraduate Navigator Training System) simulator. LtCol Henry W. Green, Jr and Capt Robert T. Azuma. illus Navigator 19, No. 3:7-9 '72

History

The air world. (Profile sketch of the early vintage navigator-bombardier) Gill Robb Wilson. Navigator 19, No. 3:4 '72



NAVY

See also subdivision under specific subjects,  
e.g.,  
Appropriations and Expenditures--Navy--U.S.

The future roles and problems of small countries' navies. (Address, 2d International Seapower Symposium, Naval War College, Nov 1971) VAdm C. Margaritis. illus Nav War Col Rev 24:35-40 Jan '72

Biography

Robert F. Stockton; early U.S. naval activities in Africa. CAPT Marvin L. Duke. illus Nav War Col Rev 24:86-94 May '72

Africa, South

Sea trials for South Africa. Comdr Ivor C. Little. illus US Nav Inst Proc 98:78-83 Dec '72

Africa, Sub-Saharan

The fledgling navies of Black Africa. (Research paper, Naval War College) Richard W. Hale. illus Nav War Col Rev 24:42-55 Jun '72

Australia

The Australian naval situation. T. B. Millar. illus map tabs US Nav Inst Proc 98:208-221 May '72

Brazil

Mk 10 frigates for the Brazilian Navy. illus tab Intl Def Rev 5:486-490 Oct '72

Canada

"Canada must face reality..." Comdr W. G. Kinsman. Ret. illus US Nav Inst Proc 98:32-37 Aug '72

Colombia

Colombia's riverine welfare. VAdm Jamie Parra Ramirez. illus tabs US Nav Inst Proc 98:107-110 Aug '72

Ethiopia

Massawa Navy Days--1972: A rare occasion. Lt Lawrence Phillips. illus US Nav Inst Proc 98:110-112 Aug '72

France

Tactical data handling in the French Navy. illus Intl Def Rev 5:33-36 Feb '72

Great Britain

Britain's Type 42 destroyer. Derek Wood and R. B. Pengelley. illus (Also cutaway) tabs Intl Def Rev 4:571-576 Dec '71

Fraud in the Royal Navy. John Marriott. Armed Forces J 110:22 Dec '72

Maritime affairs. VADM E. B. Schofield. Regular feature in issues of Army Quarterly and Defence Journal

The Royal Navy. James Morris. illus US Nav Inst Proc 98:62-73 Mar '72

Who sank the carriers? What went on in Whitehall--lessons we must never forget. illus Air Pict 34:48-50 Feb '72

NAVY - ContinuedGreat Britain- Cont'dHistory

(H.M.S.) "Eagle" and her brood--a look at the lives of the ship and her squadrons. illus Air Pict 34:40-42 Feb '72

The Royal Navy. James Morris. illus US Nav Inst Proc 98:62-73 Mar '72

Organization

One fleet: A structural outline. Comdr R. W. Moland. illus chart RUSI J for Def Studies 117:17-20 Jun '72

Statistics

Active fleets (USSR, U.S., United Kingdom). Table only. Nav War Col Rev 24:52 May '72

India

India plans a naval expansion. Ravi Rikhye. US Nav Inst Proc 98:98-100 Oct '72

NATO

ACLANT mobile logistics: A requirement for standardization. RADM Robert W. Timbrell. illus NATO's Fifteen Nations 17:82-84+ Feb-Mar '72

Iceland and the maritime threat to NATO. F. P. U. Croker. map RUSI J for Def Studies 117:51-54 Jun '72

NATO's Striking Fleet Atlantic. VADM Vincent Paul de Poix. illus NATO's Fifteen Nations 17:38-44 Feb-Mar '72

Standing Naval Force Atlantic. CAPT Raymond W. Allen. illus NATO's Fifteen Nations 17:46-52 Feb-Mar '72

Netherlands

The Royal Netherlands Navy in the Caribbean. Lt Frans P. H. M. Koch. illus US Nav Inst Proc 98:118-120 Apr '72

Russia

The Allied Command Atlantic submarine challenge. CDR J. O. Naugle. illus NATO's Fifteen Nations 17:62-68 Feb-Mar '72

Castration rounds and tattletale ships--big Russian cruisers beefing up carriers. William Beecher. illus Sea Power 15:18-22 May '72

The cork in the Baltic bottle. Lawrence Griswold. maps illus Seapower 15:9-13 Jan '72

The crucial test of '73. (The Navy must produce performance) George W. Ashworth. illus Sea Power 15:8-13 Apr '72

The development of Soviet naval power. WgComdr M. T. Thurbon. illus tab Hawk No. 33:31-37 Feb '72

Iceland and the maritime threat to NATO. F. P. U. Croker. map RUSI J for Def Studies 117:51-54 Jun '72

The North Atlantic: The Norwegian Sea, a Scandinavian security problem. Capt Christer Fredholm. maps illus Nav War Col Rev 24:56-64 Jun '72

## NAVY - Continued

Russia - Cont'd

Proxmire anti-Navy study termed 'biased,' 'tainted,' 'misleading' (by ADM Zumwalt). illus Sea Power 15:32-34 Jul-Aug '72

The silent threat. VADM Fred G. Bennett. illus NATO's Fifteen Nations 17:101-108 Feb-Mar '72

Some speculations on the Navy at the end of the 1970's. Frank Uhlig, Jr. illus Nav War Col Rev 24:9-15 May '72

The Soviet Navy: Acquiring global capabilities and perspectives. Carl G. Jacobsen. illus Nav War Col Rev 24:41-52 Mar '72

The Soviet Navy's role in foreign policy. CDR Richard T. Ackley, Ret. illus tabs maps Nav War Col Rev 24:48-65 May '72

Soviet Task Force in Bengal Bay. Ravi Rikhye. Armed Forces J 109:29 Aug '72

Strategic power in the Indian Ocean. R. D. M. Furlong. illus map tab Intl Def Rev 5:133-140 Apr '72

Submarines. Capt A. Khmelnitsky. illus Soviet Mil Rev No. 3:27-29 Mar '72

The view from Moscow: Okean and Jenbao--USSR's growing sea power and its alarm over Siberia. Lawrence Griswold. illus map Sea Power 15:11-17 May '72

View from the bridge of the Sixth Fleet flagship. ADM Isaac C. Kidd, Jr. illus map US Nav Inst Proc 98:18-29 Feb '72

History

The Soviet Navy: Acquiring global capabilities and perspectives. Carl G. Jacobsen. illus Nav War Col Rev 24:41-52 Mar '72

Statistics

Active fleets (USSR, U.S., United Kingdom). Table only. Nav War Col Rev 24:52 May '72

Comparative age of the Russian and American fleets. Tables only. Nav War Col Rev 22:52 May '72

Sweden

'With understanding and strength' Sweden's Naval Society (Royal Swedish Society of Naval Sciences) celebrates its 200th anniversary. Stephan A. Schwartz. illus Sea Power 15:14-16 Jan '72

TurkeyHistory

The loss of the Turkish frigate Ertuğrul. Erdoğan Sunnu. illus US Nav Inst Proc 98:80-82 Nov '72

United StatesSee also

Military Sealift Command

also specific fleets, e.g., Fleet, 6th

ASW--the crucial naval challenge. CAPT Robert H. Smith, Ret. illus US Nav Inst Proc 98:126-141 May '72

American maritime power. (Adapted from address, Washington Attorneys' Luncheon, Jan 17, 1972) ADM E. R. Zumwalt, Jr. illus Mil Engr 64:75-77 Mar-Apr '72

## NAVY - Continued

United States - Cont'd

Are Z-grams backfiring? Col R. D. Heinl, Jr. Armed Forces J 110:29 Dec '72

"Beefing up" the black gang. (The crisis in the engine and fire rooms of U.S. Navy ships) LCDR Paul D. Rogers. illus US Nav Inst Proc 98:93-95 Aug '72

By forcible entry. (Navy/Marine Corps amphibious assault forces) Col J. B. Soper. illus MarCor Gaz 56:19-26 Aug '72

Communications--Navy gets the message (in Office of Command Support Programs). Interview. VADM Frederick J. Harlfinger II. illus Govt Exec 4:22 Nov '72

The crucial test of '73. (The Navy must produce performance) George W. Ashworth. illus Sea Power 15:8-13 Apr '72

Damage control: Before, not after. LCDR C. Fink Fischer II. illus US Nav Inst Proc 98:44-48 Apr '72

The Department of the Navy and the DOD Planning, Programming, and Budgeting System (PPBS). (Adapted from lecture, Naval War College) CAPT Charles F. Rushing. illus Nav War Col Rev 25:71-82 Sep-Oct '72

The end of an era (of U.S. supremacy). (Prize Essay, 1972, 2d Honorable Mention) CDR Roy Beavers. illus US Nav Inst Proc 98:18-25 Jul '72

A flexible ship and a more responsive Navy. F. W. S. Locke, Jr and Virginia Withington. illus tab Nav War Col Rev 25:54-70 Sep-Oct '72

"A future for the destroyer?" (Comment on article by W. J. Ruhe, US Nav Inst Proc, Aug 1971) CAPT George P. Sotos. US Nav Inst Proc 98:86-87 Jan '72

Future of distillate fuels. illus Govt Exec 4:22+ Jun '72

Gone is the warning time. Sweeping change makes Naval Reserve 'readier' than ever. RADM Edwin M. Rosenberg. illus Sea Power 15:28-33 Mar '72

Guano and puff rounds: Navy starts Culebra pullout. map Armed Forces J 109:13 Feb '72

"...A guy who's never satisfied." Interview. ADM Elmo R. Zumwalt. illus Armed Forces J 110:29-30 Oct '72

An in-depth interview with Secretary (John W.) Warner: Is next step an exchange of U.S.-Soviet ship visits? illus Sea Power 15:27-31 Jul-Aug '72

The man who gave the world the Z-gram tells about permissiveness in the Navy, why recomp looks dim and what's wrong with Defense budgets. Interview. ADM Elmo R. Zumwalt, Jr. illus AF Times, Family Sup:18-19 Sep 6 '72

Modern realities in naval and foreign affairs. CAPT Howard C. Bucknell III, Ret. illus maps US Nav Inst Proc 98:32-40 Dec '72

The Navy and the effluent society: How do you clean the world's biggest garbage can? T. Raymond Colemon and Bernadine M. Kopec. illus Sea Power 15:18-21 Sep '72

## NAVY - Continued

United States - Cont'd

- Navy environmental protection program. CDR Joseph A. D'Emidio. illus Mil Engr 64:402-405 Nov-Dec '72
- The Navy gap in the seventies. (Enlisted Prize Essays 1972) STCM J. C. Bussert. illus US Nav Inst Proc 98:18-26 Jun '72
- The Navy tomorrow. ADM E. R. Zumwalt, Jr. illus Ordnance 56:285-287 Jan-Feb '72
- Navy's ADM (Maurice F.) Weisner: "The commander ... needs to be let alone." illus Govt Exec 4:17 Aug '72
- The Navy's new money man: Assistant Navy Secretary (Financial Management) Robert D. Nesen, in profile. Heather David. illus Sea Power 15:33 Nov '72
- The need for innovation. (Address, American Society of Military Comptrollers National Symposium, Bolling AFB, DC, May 17, 1972) RADM J. M. Tierney. illus Armed Forces Compt 17:5-8 Summer '72
- New carrier concepts and the CVN-70. Norman Polmar. illus tab Sea Power 15:6-12 Mar '72
- New naval leadership--Hon John W. Warner takes the helm as Secretary of the Navy. illus Ordnance 57:28-29 Jul-Aug '72
- New ship programs: Trade-off between the present and the future. James D. Hessman. Armed Forces J 109:30-31+ Apr '72
- Ombudsman makes good--portrait of Vice Admiral David H. Bagley. Heather M. David. illus Sea Power 15:32-33 May '72
- 'The only forces which have utility.' (Extracts from CNO's Posture Statement to the Senate Armed Services Committee, Washington, 1972) ADM Elmo R. Zumwalt, Jr. Sea Power 15:14-17 Apr '72
- The post-Vietnam Navy: The rhetoric and the realities. J. K. Holloway, Jr. illus US Nav Inst Proc 98:52-59 Aug '72
- Proxmire anti-Navy study termed 'biased,' 'tainted,' 'misleading' (by ADM Zumwalt). illus Sea Power 15:32-34 Jul-Aug '72
- Relevant power: Putting the salt water back in national strategy. Brooke Nihart. Armed Forces J 109:28-31 Feb '72
- The restricted unrestricted line officer: The status of the Navy's woman line officer. LCDR Beth F. Coye. illus tabs Nav War Col Rev 24:53-64 Mar '72
- The role of the carrier in the control of the seas. CAPT Stephen T. De La Mater. illus tab US Nav Inst Proc 98:110-125 May '72
- Sailor, Marine, Secretary (of the Navy, John W. Warner). illus Armed Forces J 109:17 May '72
- Ship acquisition: The lost generation. LCDR Terry L. Johnson. illus US Nav Inst Proc 98:26-32 Nov '72
- So much to do... so little time. LCDR George E. Brainerd. illus US Nav Inst Proc 98:62-67 Sep '72

## NAVY - Continued

United States - Cont'd

- Some civilian thoughts on the Navy. (Prize Essay, 1972; 2d Honorable Mention) John C. Seymour. illus US Nav Inst Proc 98:18-23 Sep '72
- Some speculations on the Navy at the end of the 1970's. Frank Uhlig, Jr. illus Nav War Col Rev 24:9-15 May '72
- The spirit of the Navy. RADM R. E. Coontz. illus US Nav Inst Proc 98:83-84 Feb '72
- Tomorrow's Navy: Fast, powerful, and outnumbered. James D. Hessman. illus Sea Power 15:15-20 Oct '72
- Toward a navy second to one. CAPT Robert H. Smith, Ret. illus US Nav Inst Proc 98:42-51 Nov '72
- A United States Navy for the future. Francis W. Shepherd. US Nav Inst Proc 98:102-105 Mar '72
- The view from the tank: Interviews with the Joint Chiefs. illus Armed Forces J 109:36-44 Jan '72
- Warner succeeds Chafee as Secretary (of the Navy). L. Edgar Prina. illus Sea Power 15:34-35 May '72
- Where does the Navy go from here? Arnold M. Kuzmack. illus tabs Mil Rev 52:37-51 Feb '72
- The winds of change. (John H. Chafee resigns as Secretary of the Navy; John W. Warner appointed to succeed him) illus Govt Exec 4:17 May '72

History

- ADM Joseph Mason Reeves, USN (1872-1848). RADM John D. Hayes, Ret. illus Nav War Col Rev pt 1, To 1931: The engineering, gunnery and aviation years. 23:48-57 Nov '70; pt 2, 1931 to 1948: Commanding the U. S. fleet and in World War II. 24:50-64 Jan '72
- From stem to stern--the tightest ship afloat. illus Armed Forces J 110:32-36 Oct '72
- The making of a navalist: Secretary of the Navy Benjamin Franklin Tracy and seapower. B. Franklin Cooling. Nav War Col Rev 25:83-90 Sep-Oct '72
- Robert F. Stockton; early U.S. naval activities in Africa. CAPT Marvin L. Duke. illus Nav War Col Rev 24:86-94 May '72
- Ten days at Veracruz. (Woodrow Wilson's efforts to make a Mexican port safe for Americans, 1914) CAPT Paul B. Ryan, Ret. illus US Nav Inst Proc 98:64-73 Jun '72
- The Tripoli Monument. Dody W. Smith. illus US Nav Inst Proc 98:72-73 Jan '72

- The USS Porpoise and Ken Whiting. George van Deurs. illus US Nav Inst Proc 98:80-82 Sep '72

Statistics

- Active fleets (USSR, U.S., United Kingdom). Table only. Nav War Col Rev 24:52 May '72
- Comparative age of the Russian and American fleets. Tables only. Nav War Col Rev 22:52 May '72
- Naval Forces summary, February 1972. Tables only. US Nav Inst Proc 98:338 May '72



NAVY DAY

Navy Day 1971. illus Sea Power 15:27-41 Jan '72

NAVY EXCHANGES see Exchanges--NavyNAVY LEAGUE

Seventieth national convention, Charleston, SC, May 16-19, 1972. Bernadine M. Kopec. illus Sea Power 15:38-55 Jul-Aug '72

NEEL, Spurgeon H., Jr

M(aj)G(en) Spurgeon Neel, USA, is 42d president of ASMA. biog Aerosp Med 43:582 May '72

NEGOTIATION

Naval diplomacy and the failure of balanced security in the Far East--1921-1935. LCDR William S. Johnson. illus Nav War Col Rev 24:67-88 Feb '72

NEGROES IN THE ARMED FORCES

Against discrimination: Law or policy? Maj Ned E. Felder. illus Army 22:39-40 Jan '72

Are equal opportunity councils working? Marianne Lester. illus AF Times, Family sup:8-9 Jan 19 '72

The Black experience in Air Force blue. (Interview with LtCol Belmer J. Addison, Capt Robert B. Ramsay and SSgt Willis C. Cooper) illus AF Mag 55:30-34 Jun '72

Black festival a success, say cadets at (AF) Academy. illus AF Times 32:28 Feb 9 '72

The Black junior officer in today's Army. Capt Julius T. Crouch. illus Mil Rev 52:61-67 May '72

Black Moses. (Chaplain I. V. Tolbert) Sgt Leon A. Casey. illus Airman 16:41 Oct '72

(BrigGen Lucius) Theus okays 'brotherhood' groups. AF Times 33:3 Dec 6 '72

Can Black men and women be "sold" on the Guard? Yes! They can! illus Natl Guardsman 26:18-19 Oct '72

Coping with people problems. Interview. MajGen Frederic E. Davison. illus Soldiers 27:10-13 May '72

A fair share for USAF minorities. Capt John T. Correll. illus AF Mag 55:25-29 Jun '72

James E. Johnson in profile: A friend a day. Heather M. David. illus Sea Power 15:36-37 Apr '72

Leadership opportunities for Black officers. (Address, Joint Commissioning Exercises, Air Force and Army ROTC, Tuskegee Institute, Ala, May 13, 1972) BrigGen Lucius Theus. AF Plcy Ltr for Comdrs: Sup No. 9:21-26 Sep '72

The man in command (Col Thomas E. Clifford). Sgt Charles T. Keene. illus Airman 16:16-19 Dec '72

Moves urged to end (racial) bias--Task Force reports. AF Times 33:5 Dec 20 '72

Power to all of the people. LtCol Harry G. Summers, Jr. Army 22:29-31 Mar '72

Race relations: Main battle is still ahead. BrigGen Harry W. Brooks. illus Army 22:102-104 Oct '72

Sentiment of soul. (Black Culture Festival at USAF Academy) Ted R. Sturm. illus Airman 16:24-32 Jun '72

NEGROES IN THE ARMED FORCES - Continued

Seven days in July. CDR Jack M. White. illus US Nav Inst Proc 98:37-41 Jan '72

2,475 AFers given courts-martial in '71. AF Times 32:4 Mar 15 '72

Wastin' in the hills. (Laughlin AFB, Tex and social problems) MSgt Loren B. Leonberger. illus Airman 16:11-14 Aug '72

NESEN, Robert D.

The Navy's new money man: Assistant Navy Secretary (Financial Management) Robert D. Nesen, in profile. Heather David. por Sea Power 15:33 Nov '72

Warner succeeds Chafee as Secretary (of the Navy). L. Edgar Prina. por Sea Power 15:34-35 May '72

NEW ZEALANDForeign RelationsMalaysia

After 152 years, Britain leaves Malaysia. John Marriott. Armed Forces J 109:24 Jan '72

Singapore

After 152 years, Britain leaves Malaysia. John Marriott. Armed Forces J 109:24 Jan '72

NEWMAN, Aubrey S.

Be ready to do what you ask of others. MajGen A. S. Newman. illus Army 22:45-46 Jul '72

Endure! The battle catalyst. MajGen A. S. Newman, Ret. illus Infantry 62:44-48 Mar-Apr '72

In human relations the best course is frankness. MajGen A. S. Newman, Ret. illus Army 22:52-53 May '72

Intemperance can become a tyrant. MajGen A. S. Newman, Ret. illus Army 22:41-42 Aug '72

Let our flag salute, too. MajGen A. S. Newman, Ret. illus Army 22:42-46 Apr '72

NEWS MEDIA

Arousing public interest in defence. SqLdr B. J. Jackson. Royal Air Forces Qtr 12:23-30 Spring '72

House probes classification leaks. Armed Forces J 109:11 Feb '72

How to read your friendly daily newspaper. Bruce Callander. AF Times 32:13 May 10 '72

The media and the Armed Services. MajGen D. W. Scott-Barrett. illus Mil Rev 52:62-76 Apr '72

Media examine "backgrounders." Bruce Callander. AF Times 32:13 Jan 12 '72

Media given plea on (airline) piracy coverage. AF Times 32:22 May 24 '72

The right to know (the reasons for many decisions of government). BrigGen Henry Huglin, Ret. Ordinance 57:138-139 Sep-Oct '72

The role of the communications media in a democratic society. (Lecture, Naval War College, 1971?) Barry Zorthian. illus Nav War Col Rev 24:1-7 Feb '72

The USAF Home Town News Program. TIG Brief 24:17-18 Jul 14 '72

NEWSPAPERS

Did or did not the Army do in the dune? A case history in inaccurate journalism. Robert Ashby. illus AF Times, Family sup:6-7+ Feb 2 '72

POW WOW (Prisoners Of War Waiting On Winning). (Newspaper published by prisoners of war in Germany during WW II) F.T. Gaumer, illus AF Mag 55:84-86 Jul '72

The press and the Pentagon Papers. (Remarks preceding panel discussion on "Communications Media," Naval War College, 1971?) Neil Sheehan. illus Nav War Col Rev 24:8-12 Feb '72

History

George Horatio Derby--engineer and humorist. Col Glenn I. Epperson, Ret. illus Mil Engr 64:113-114 Mar-Apr '72

NICARAGUAHistory

Air action in Nicaragua (in 1927). William L. Roper. illus MarCor Gaz 56:54-57 Nov '72

NIGHT FIGHTING

Acting expertly in darkness. R.Kabirov. illus Soviet Mil Rev No.1:28-29 Jan '72

Interdiction at night in adverse weather. LtCol Philip B.Hopkins, Jr. USAF TAWC Qtr Rpt 3:4-9+ Jan '72

Night offensive. Col I.Vorobyov. illus Soviet Mil Rev No.6:12-14 Jun '72

Our night attack doctrine is outdated. Capt Robert L. Hicks. illus Infantry 62:38-40 May-Jun '72

Soviet night operations. LtCol Erich Sobik. illus Mil Rev 52:71-76 Aug '72

NIGHT FLYINGStudy and Teaching

NCLT (Night Carrier Landing Trainer)--a complete approach. LCDR J.R.McDaniel. illus Approach 17:16-22 Feb '72

NIXON, Richard M.

Defense budgets: Ike, Nixon and McGov(ern). LtGen Ira C.Eaker, Ret. AF Times 33:13 Sep 6 '72

Is anybody listening? (Defense budget for FY 1973) Claude Witze. illus AF Mag 55:6-8 Mar '72

The Nixon Administration: What the last four years suggest for tomorrow. por Govt Exec 4:82-85 Oct '72

Nixon may feel 'jet lag.' AF Times 32:51 Mar 1 '72

Nixon's peace plan leaves AFers in SEA. AF Times 32:3 Feb 9 '72

October raise opposed. Bob Schweitz. AF Times 32:1+ Jan 26 '72

President Nixon's National Security Council system (1969-70). Col Emil N.Block, Jr. chart Forum No.14:60-77 Winter '71

The President's budget. por Govt Exec 4:33-34 Mar '72

Report on Vietnam. (Remarks, April 26, 1972) Richard M. Nixon. AF Ploy Ltr for Comdrs: Sup No.6:2-6 Jun '72

NIXON, Richard M. - Continued

Reserve Capt (Donald A.Nelson) flies to Shanghai, bring TV station for Nixon visit. Capt Robert Penn. AF Times 32:24 Mar 1 '72

(SALT agreements reached by Nixon in Moscow) LtGen Ira C.Eaker, Ret. AF Times 32:10 Jun 21 '72

Security implications of President Nixon's Peking trip. Angus M.Fraser. Armed Forces J 109:34-35 Feb '72

The space shuttle. (Statements by Richard M.Nixon and James C.Fletcher, Jan 5, 1972) illus Spaceflight 14:122-125 Apr '72

Taiwan 'pullout' pledged by Nixon. AF Times 32:17 Mar 15 '72

Value and cost of the Reserves: Laird-Nixon policy. Editorial. illus Officer pt 1, 47:6 Nov '71; pt 2, 47:6+ Dec '71; pt 3, 48:6-7 Jan '72

Whatever happened to the Nixon maritime program? Irwin M.Heine. illus Sea Power 15:23-27 May '72

Where the candidates stand on defense. Claude Witze. illus AF Mag 55:50-51 Oct '72

NOISE

Aircraft noise and the community: Some recent survey findings. Alan A.Burrows and David M.Zamarin. illus tabs Aerosp Med 43:27-33 Jan '72

Combined effects of noise and vibration on mental performance as a function of time of day. Henry C.Sommer and C.Stanley Harris. illus Aerosp Med 43:479-482 May '72

Effects of simulated sonic booms on tracking performance and autonomic response. Richard I.Thack-ray and others. illus tabs Aerosp Med 43:13-21 Jan '72

Electroencephalographic and behavioral effects of nocturnally occurring jet aircraft sounds. T.E. LeVere and others. illus tabs Aerosp Med 43:384-389 Apr '72

Further study of combined heat, noise and vibration stress. W.F.Grether and others. illus tabs Aerosp Med 43:641-645 Jun '72

Noise and circuit loss measurements via European AUTOVON (1970-71). Marshall L.Cain. illus Signal 26:22-25 Apr '72

Say again all after "ATC clears." Capt Thomas L. Doane. tabs USA Avn Dig 18:15-17 Feb '72

Stop, look, then listen (before you buy a home near the base). Ed Blair. illus Airman 16:12-15 Dec '72

Study of the feasibility of using perforated and split ear protectors in aircraft during flight. Vernon C.Bragg and Roy Danford, Jr. illus Aerosp Med 43:193-196 Feb '72

NONAPPROPRIATED FUNDS

BX costs to go up, price hike unlikely. AF Times 33:44 Sep 27 '72

'Blue collar' raises set--military and kin benefit. Bob Horowitz. AF Times 33:1+ Sep 6 '72

Congress urges hiring of kin--NAF jobs o'seas. AF Times 33:49 Nov 29 '72

Exchanges to continue price cuts despite wage increases. Bob Towle. AF Times 32:4 Jan 26 '72

## NONAPPROPRIATED FUNDS - Continued

House probes eye welfare fund cache. Bob Horowitz.  
AF Times 32:20 May 24 '72

Management of nonappropriated funds. TIG Brief  
24:21 Jan 28 '72

Management of nonappropriated funds. TIG Brief 24:  
19-20 Nov 10 '72

NAF cut slated. Bob Towle. AF Times 32:1+  
Jan 12 '72

NAF plan under way. Bob Towle. AF Times 33:1+  
Nov 29 '72

New Office of Morale chief--plan would combine rec  
funds. Bob Towle. AF Times 32:3 Jul 19 '72

PACAF rec(reaction) funders get 'pro' (procurement)  
assistance. AF Times 33:23 Aug 23 '72

Pay hikes proposed for NAF employees. Bob Towle.  
AF Times 32:1+ Jan 19 '72

Senate studies raise for BX employees. AF Times  
32:3 Mar 22 '72

Tax dollars sought for morale activities. AF Times  
32:20 Jan 19 '72

## NONCOMMISSIONED OFFICERS

Air Force--U.S.

Airman panel suggests 'people program' changes  
(at AF Career Motivation Conference, Maxwell  
AFB, Ala, June 5-9, 1972). AF Times 33:55  
Aug 23 '72

Boards again slated for supergrade hikes. AF Times  
32:4 Jul 19 '72

Congressmen confused by TOPCAP plans. AF Times  
32:18 Jul 19 '72

DOD retards stripes pace. Bruce Callander. AF  
Times 32:1+ Feb 2 '72

Departure of airmen spurred. AF Times 32:3  
Apr 12 '72

Dual sarges (CMSgts Jackie O. Godwin and Grant S.  
Williams) lead 7th AF. SSgt Tom Marchant. illus  
AF Times 32:43 Mar 29 '72

E-5 hikes--equality arrives. AF Times 32:3  
Jun 7 '72

E-5 quota: Only 16,000. Bruce Callander. AF Times  
32:1+ May 17 '72

E-5 statistics: A 'fair shake.' AF Times 32:5  
Jun 14 '72

E-6, E-7 selection due for 12,800. Bruce Callander.  
AF Times 32:1+ Jul 5 '72

E-9 selectees face backlog. AF Times 33:3 Dec 27 '72

EM hike alternative--fully qualified process shows  
several pluses. Bruce Callander. AF Times 32:13  
Jul 12 '72

EM hike cycles put 'in phase.' AF Times 32:6  
Jan 19 '72

EM overages likely, but don't panic--AF. Bruce  
Callander. AF Times 32:1+ Jun 14 '72

EM promotion picture looks good. tab AF Times  
32:3 Feb 23 '72

## NONCOMMISSIONED OFFICERS - Continued

Air Force--U.S. - Cont'd

EM sought for crew slots--'Palace Fly' needs  
volunteers. AF Times 32:6 Jul 19 '72

EM to become dental assistants--board choosing 15  
for training. AF Times 32:8 Apr 12 '72

8,345 EM hikes slated--supergrades speed up. Bruce  
Callander. AF Times 32:1+ Jan 5 '72

11,307 to pin on stripes in April--E-5s do best. AF  
Times 32:3 Mar 29 '72

Fast hikes even out after 1st hitch. AF Times 33:21  
Oct 18 '72

The GI's man in Washington. Interview. CMSAF  
Richard D. Kisling. illus AF Mag 55:52-55 Jan '72;  
Airman 16:23-26 May '72

(Gen John D.) Lavelle informer (Sgt Lonnie D. Franks)  
due for promotion. AF Times 33:3 Sep 27 '72

Help wanted: First sergeants. AF Times 33:8  
Aug 16 '72

Hike opportunity mixed for NCOs. AF Times 33:11  
Sep 13 '72

Hike view good for EM in '73. Bruce Callander. AF  
Times 32:1+ May 24 '72

Hikes, super pay merged--point system held off at  
least another year. Bruce Callander. AF Times  
32:1+ Jan 12 '72

Hikes, super pay stay linked. AF Times 33:5  
Oct 18 '72

Improving understanding of the military. (Remarks,  
4th Annual MAC NCO Conference Dining-In,  
Altus AFB, Okla, Nov 19, 1971) LtGen James C.  
Sherrill, delivered by MajGen Gilbert L. Curtis.  
AF Pley Ltr for Comdrs: Sup No. 2:9-13 Feb '72

Instructor recognition--the 1971 outstanding NCO  
Academy instructors. illus USAF Instrs J 9:2-3  
Winter '71-'72

It's up or out, NCOs. AF Times 32:17 Feb 9 '72

Kisling urges 'honesty' in rating of noncoms (at  
Career Motivation Conference, Maxwell AFB,  
Ala). AF Times 32:41 Jun 28 '72

'Losses' aid stripes pace--hike numbers listed. AF  
Times 33:15 Aug 30 '72

Low-year rules waived one time. AF Times 33:15  
Dec 20 '72

Many NCOs miss stripes--up to 9,500 wait. AF  
Times 32:4 Apr 26 '72

A meaningful (officer NCO) relationship. SMSgt  
James A. Brigham. USAF Instrs J 9:47-50  
Winter '71-'72

NCO Academy (Gunter AFB, Ala)--oriented to  
'people.' AF Times 32:10 May 3 '72

NCO force-out points to stay as is--TOPCAP missed  
'72 goal. AF Times 33:35 Aug 30 '72

NCO hike delays won't hurt now, could in future. AF  
Times 33:15 Nov 8 '72

NCO hike outlook shows quota drop. Bruce Callander.  
AF Times 32:13 Feb 9 '72

NCO hikes hurt most in cutback. AF Times 32:1+  
Jan 26 '72



NONCOMMISSIONED OFFICERS - ContinuedAir Force--U.S. - Cont'd

NCO pace to pick up but wait for E-2, E-3 extended. AF Times 32:4 Mar 15 '72

NCO promotions periled. Bruce Callander. AF Times 33:20 Nov 29 '72

NCO 'think tank' under way at Lindsey (AS, Germany) AF Times 33:23 Oct 25 '72

NCOs can extend to get time in for retirement. AF Times 33:15 Nov 8 '72

NCOs revise exams. illus AF Times 33:47 Dec 13 '72

NCOs selected for super pay. AF Times 33:10+ Dec 27 '72

New deal planned for 'first shirts.' AF Times 33:8 Oct 11 '72

9483 hikes set for airmen. Bruce Callander. AF Times 33:1+ Nov 22 '72

Noncom stripes periled. Bruce Callander. AF Times 33:1+ Oct 25 '72

Noncoms rewrite 140 skill tests. AF Times 32:47 Jan 12 '72

October quota promises 11,843 EM promotions. AF Times 33:2 Sep 27 '72

The outstanding twelve (airmen for 1972). illus Airman 16:39-41 Nov '72

Pentagon EM stuck in blue suits. AF Times 32:46 Jan 12 '72

Promotions to E-4 come at two-year point. AF Times 32:18 Feb 16 '72

Quality rules hit EM hikes. Bruce Callander. AF Times 33:1+ Aug 9 '72

Quotas catch up in middle grades. AF Times 32:20 Jul 5 '72

Responsibilities of noncommissioned officers. TIG Brief 24:10 May 5 '72

Retirement rule impact still unclear--details being worked out. AF Times 32:5 Mar 29 '72

Retirement wait for stripes risky. AF Times 33:54 Nov 29 '72

Senior noncommissioned officers to attend AFIT courses. TIG Brief 24:12 Sep 29 '72

Senior noncoms design courses at new (NCO) Academy (at Gunter AFB, Ala). AF Times 33:10 Aug 23 '72

Sergeant hikes forecast for more than 41,000. AF Times 33:11 Sep 6 '72

6,857 named for hikes to E-6,7. AF Times 32:21+ Feb 2 '72

Some EM hikes delayed. Bruce Callander. AF Times 32:1+ Apr 12 '72

Some techs, due E-7, soon to vie for E-8. AF Times 32:8 May 10 '72

Super boards: Credibility gap? Bruce Callander. AF Times 32:13 Jan 19 '72

TIS (Time In Service): Long-range impact on hikes--low year of tenure added. Bruce Callander. AF Times 32:13 Mar 22 '72

NONCOMMISSIONED OFFICERS - ContinuedAir Force--U.S. - Cont'd

10,199 to win March stripes. Bruce Callander. AF Times 32:1+ Mar 1 '72

30 officer jobs open to NCOs (in revised AFR 39-6). AF Times 32:19 Apr 19 '72

Three steps taken to spur retirement of senior NCOs. Bruce Callander. AF Times 32:1+ Mar 22 '72

12 top airmen chosen (Outstanding Airmen) for '72. AF Times 32:2 Jul 26 '72

24,118 to get July stripes. AF Times 32:1+ Jun 21 '72

Two of 12 top EM to get bars. illus AF Times 33:5 Oct 4 '72

'Up or out'--harsh fact of life. Bruce Callander. AF Times 32:13 Feb 16 '72

Updated reg (AFR 39-29) adds new TIS (Time-In-Service) criteria. AF Times 33:20 Aug 9 '72

Women's Force seeks leaders. Bruce Callander. AF Times 33:13 Nov 8 '72

Your road to success. (Airman and NCO commissioning programs) Maj Harvey Angel. Airman 16:35 Apr '72

Statistics

Half of NCOs retire in top grades. tab AF Times 32:6 May 3 '72

Armed Forces--U.S.

Old regulation established TIS (Time In Service) for upper grade EM. AF Times 32:55 Mar 29 '72

Requirements list E-4 housing needs. Bob Towle. AF Times 32:3 Apr 26 '72

Army--U.S.

Army revises rules on enlisted hikes. AF Times 33:55 Aug 30 '72

Look up, soldier. (Sgt1C James Edward Boofert is Army's Outstanding Drill Sergeant for 1972) John Michael Coleman. illus Soldiers 27:40-42 Nov '72

NCO education system: Career development. Capt Thomas P. Curtin. Infantry 62:42-43 May-Jun '72

The NCO must grow with Army. SGM Silas L. Cope-land. illus Army 22:24-25 Oct '72

NCOES (NonCommissioned Officer Education System). illus USA Avn Dig 18: inside back cover May '72

NCOES! What, when, where, how? LtCol Jody L. Williams. illus USA Avn Dig 18:19-21 Jun '72

NCOLP (NonCommissioned Officer Logistics Program) in an envelope. Gordon C. Bennett. illus Review 52:45-46+ Jul-Aug '72

Officers and NCO's: A working relationship that must endure. Capt David M. Dacus and others. Infantry 62:24-27 Nov-Dec '72

Stiffening the backbone. (Improving squadron leadership) Col Josiah A. Wallace, Jr. illus tabs Army 22:28-31 Jun '72

Reserve Forces--Armed Forces--U.S.

Reserves to lift lid on NCOs. Gene Spooner. AF Times 32:4 Jul 5 '72

NONCOMMISSIONED OFFICERS - ContinuedReserve Forces--Army--U. S.

Big changes for Army Guardsmen--a new Reserve Components Enlisted Career Program. Natl Guardsman 26:24-25 Dec '72

NONCOMMISSIONED OFFICERS ACADEMIES

Academy (at Goodfellow AFB, Tex) builds leadership in security service NCOs. illus AF Times 32:43 Mar 29 '72

The big picture. (Value of an NCO Academy) SMSgt James C. Worthington. USAF Instrs J 9:33-35 Winter '71-'72

George is a verb. (Marine Corps effective reading course) illus Capt J. B. Swartzberg. MarCor Gaz 56:29-31 Apr '72

In good hands. ("Industry Day" at ANG's NCO Academy) illus Natl Guardsman 26:26-27 Jun '72

NCO Academy (Gunter AFB, Ala)--oriented to 'people.' AF Times 32:10 May 3 '72

NCO Professional Military Education (PME)--who goes? TIG Brief 24:11 Nov 10 '72

New NCO school opens January 9 (at Gunter AFB, Ala). AF Times 33:2 Dec 6 '72

Senior NCO Academy wins okay but not funds. AF Times 33:4 Nov 15 '72

Senior noncoms design courses at new (NCO) Academy (at Gunter AFB, Ala). AF Times 33:10 Aug 23 '72

Supergrade (NCO) academy to open next year (at Gunter AFB, Ala). AF Times 32:3 Apr 5 '72

NONCOMMISSIONED OFFICERS ASSOCIATION

NCOA (Non-Commissioned Officers Association) to operate mobile home sites. AF Times 32:4 Aug 2 '72

NONCOMMISSIONED OFFICERS CLUBS see Service-men's ClubsNONRESIDENT TRAINING see Correspondence Schools and CoursesNORMAN, Lewis S., Jr

Trends in communications and data handling systems in the DCS. (Address, AFCEA, Washington, June 6, 1972) BrigGen Lewis S. Norman, Jr. Signal 26:37-39 Jul-Aug '72

NORTH AMERICAN AIR DEFENSE COMMAND

Eyes over the top. (BMEWS Site I) Capt Gary A. Guimond. illus Airman 16:6-10 Jan '72

The gaps in our air defense. Claude Witze. illus map tabs AF Mag 55:33-39 Mar '72

The triad...plus 'one.' Col Sheldon I. Godkin. illus AF Mag 55:48-53 Nov '72

(U.S. loss of strategic superiority) LtGen Ira C. Eaker, Ret. AF Times 32:13 Feb 9 '72

NORTH ATLANTIC TREATY ORGANIZATIONSee also

Allied Command Europe

also subdivision under specific subjects, e. g., Defenses--NATO

NORTH ATLANTIC TREATY ORGANIZATION - Cont'd

Army support of coalition security. LtCols Zeb B. Bradford, Jr and Frederick J. Brown. illus Mil Rev 52:4-21 May '72

Behind NATO's shiny facade--a troubled future? Gen T. R. Milton. illus AF Mag 55:49-52 Aug '72

Congress and presidential conflict: Foreign policy and NATO. Stanley L. Harrison. NATO's Fifteen Nations 17:83-87 Jun-Jul '72

The cork in the Baltic bottle. Lawrence Griswold. maps illus Sea Power 15:9-13 Jan '72

The defence of NATO's southern flank. ADM Horacio Rivero. illus RUSI J for Def Studies 117:3-10 Jun '72

Europe strength cuts barred by '74 budget. AF Times 33:34 Sep 6 '72

The military situation in Europe. Regular feature in some issues of Army Quarterly and Defence Journal

NATO: Defense and detente. Maj Frank A. Partlow, Jr. illus tabs Army 22:8-14 Dec '72

NATO Integrated Communications System (NICS). LtGen Walter E. Lotz, Jr. illus chart Signal 26:53-56 Jan-Feb '72

The NATO Missile Firing Installation (NAMFI). illus (Also cutaway) maps tab Intl Def Rev 5:141-143 Apr '72

NATO--the United States' most successful alliance. Gen Lyman L. Lemnitzer, Ret. illus Officer 48:19+ Mar '72

NATO--the writing on the wall. Gen T. R. Milton. illus tab US Nav Inst Proc 98:18-21 Jan '72

The need for NATO. LtGen Ira C. Eaker, Ret. AF Times 32:13 Aug 2 '72

New directions in managing technical efforts. (Address, Annual NATO Advisory Group for Aerospace Research and Development, Brussels, Sep 28, 1972) Robert C. Seamans, Jr. AF Plcy Ltr for Comdrs: Sup No. 11:2-12 Nov '72

The Nordic countries in a changing Europe. Egil Ulstein. (Condensed from Part 3 of Adelphi Papers No. 81, Nov 1971) illus Mil Rev 52:50-63 Sep '72

The North Atlantic Treaty. London's International Institute for Strategic Studies. illus tabs AF Mag 55:59-67 Dec '72

The paradox of successful deterrence. (Address, Air Force Assoc Convention, Washington, Sep 19, 1972) Gen John D. Ryan. AF Plcy Ltr for Comdrs: Sup No. 11:13-16 Nov '72

Planning NATO's forces. O. Caracciolo di Forino. illus NATO's Fifteen Nations 16:74-75+ Dec '71-Jan '72

Policy for the provision of electronic warfare capability to NATO. Elect Warfare 4:10 Summer '72

The prospects for a European security conference. C. E. Morris. Army Qtr 102:7-11 Oct '71

Strategy for tomorrow--America's need for future security in Europe. Stanley L. Harrison. illus Mil Rev 52:57-70 Aug '72

NORTH ATLANTIC TREATY ORGANIZATION - Cont'd

USAFE: Responsibilities, up; defense budgets, down.  
John L. Frisbee, illus AF Mag 55:35-41 Feb '72

Defense College

Special edition of the NATO Defense College (20th Anniversary), illus NATO's Fifteen Nations 16: entire issue Dec '71-Jan '72

Twenty years of experience points toward the future.  
VAdm J. C. O'Brien, illus tab NATO's Fifteen Nations 16:45-47 Dec '71-Jan '72

Twenty years service to the Alliance: A pictorial presentation. NATO's Fifteen Nations 16:31-40 Dec '71-Jan '72

Foreign RelationsMediterranean Region

The complex problems of the southern NATO flank.  
Maj E. Hinterhoff, illus NATO's Fifteen Nations 17:32-39 Apr-May '72

NORTHWEST PASSAGE see Arctic RegionsNORTON, John

Today's questions, tomorrow's Army. LtGen John Norton, por Army 22:83-86 Oct '72

NORWEGIAN SEAStrategic Importance

The North Atlantic: The Norwegian Sea, a Scandinavian security problem. Capt Christer Fredholm, maps illus Nav War Col Rev 24:56-64 Jun '72

NOZZLES

Closed-circuit refueling system. Maj Frederic H. Stubbs, illus USA Avn Dig 18:22-23 Mar '72

NUCLEAR EXPLOSIONS

The new look of Plowshare (Program). LT Joseph B. Green, Jr. illus Mil Engr 64:233-236 Jul-Aug '72

NUCLEAR POWER

The China factor in the ABM debate: Chronicle of a rationale. Harry E. T. Thayer, tab Forum No. 14: 1-59 Winter '71

Will Japan go nuclear? Niu Sien-Chong, Ordnance 56:292-294 Jan-Feb '72

International Aspects

Arms control and disarmament. Peter F. W. Kerr, Marquess of Lothian, illus RUSI J for Def Studies 117:12-19 Mar '72

China: Nuclear dragon. LCDR Scott Allen, illus US Nav Inst Proc 98:43-49 Jun '72

Progress in science and technology and military development. Col P. Derevyanko, illus Soviet Mil Rev No. 8:2-5 Aug '72

The realities of arms limitations. CAPT Dominic A. Paolucci, Ret. illus tab US Nav Inst Proc 98:178-189 May '72

The SALT agreement. Interavia 27:700 Jul '72

Strategic bombing and changing times. Col Albert P. Sights, Jr, Ret. illus AU Rev 23:14-26 Jan-Feb '72

The strategic nuclear balance "is turning against us." ADM Thomas H. Moorer, illus Officer 48:15+ May '72

NUCLEAR POWER - ContinuedInternational Aspects - Cont'd

Twenty-five years of military history, 1945-1970.  
John Terraine, Royal United Svcs Inst for Def Studies J 116:13-23 Dec '71

Peaceful Applications

The new look of Plowshare (Program). LT Joseph B. Green, Jr. illus Mil Engr 64:233-236 Jul-Aug '72

NUCLEAR POWER PLANTS

AFers winter in Antarctica. (Operation Deep Freeze)  
illus AF Times 32:38 Mar 1 '72

NUCLEAR POWER PLANTS (SHIPS)

Sturgis delivers power wherever she goes. SGM H. S. Efron, illus Soldiers 27:42-46 Dec '72

NUCLEAR PROPULSION

Controlled thermonuclear fusion for space propulsion.  
David Dooling, Jr. illus tab Spaceflight 14:26-27 Jan '72

NUCLEAR WARFARE

Clausewitz in the 1970s--Rx for dilemma. Col George W. Smith, illus Mil Rev 52:85-93 Jul '72

Deterrence and the medium-sized powers. Col Lucien Poirier. (Trans and digested from Revue de Défense Nationale, March 1972) illus Mil Rev 52:22-34 Nov '72

General nuclear war: A conceptual analysis. Col Donald S. Bussey, Ret. Persp in Def Mgt, pp 49-58, Winter '71-'72

Roots of strategic deterrence. Herman S. Wolk, illus Aerosp Hist 19:137-144 Sep '72

The shift in strategic war plans. William Beecher, illus Army 22:10-14 Nov '72

The Single Integrated Operational Plan (SIOP). Capt Mark D. Mariska, illus Mil Rev 52:32-39 Mar '72

The Soviet tactical Air Force and tactical nuclear weapons. Maj E. van Veen, illus NATO's Fifteen Nations 17:42-44+ Aug-Sep '72

Strategic sufficiency: A question of faith? Colin S. Gray, illus AF Mag 55:27-32 Apr '72

Theatre Air Forces and tactical nuclear weapons.  
Maj E. van Veen, illus NATO's Fifteen Nations 17:34-39+ Aug-Sep '72

NUCLEAR WEAPONSSee also

Missiles  
Rockets, Nuclear Powered

Tactical dialogues 1--France. (Interview with Gen Marzloff) illus RUSI J for Def Studies 117:47-50 Sep '72

International ControlSee also

Multilateral Force

China: Nuclear dragon. LCDR Scott Allen, illus US Nav Inst Proc 98:43-49 Jun '72



## NUCLEAR WEAPONS - Continued

International Control - Cont'd

Soviet-American arms negotiations--1960-68: A prelude for SALT. (Research paper, Naval War College, 1971) LT Eric W. Hayden. illus Nav War Col Rev 24:65-82 Jan '72

Soviet programme of nuclear disarmament. V. Shestov. Soviet Mil Rev No. 3:49-51 Mar '72

Safety Measures

Effective management of a nuclear safety program. TIG Brief 24:11-12 Feb 11 '72

New look--Directorate of Nuclear Safety Inspection and Programs Division. TIG Brief 24:7 Aug 18 '72

Nuclear deficiency reporting. TIG Brief 24:5-6 Feb 25 '72

Nuclear safety aid station. Regular feature in issues of Aerospace Safety

Nuclear safety rules. TIG Brief 24:11 Feb 11 '72

Nuclear safety standards and safety inspections. TIG Brief 24:11-12 Oct 13 '72

Nuclear spot survey program at wing level. TIG Brief 24:8 Jun 2 '72

The Nuclear Weapon System Safety Group (NWSSG). TIG Brief 24:21 Sep 29 '72

Nuclear weapon system safety rule changes. TIG Brief 24:16 May 5 '72

Nuclear weapons handling. TIG Brief 24:13 Feb 11 '72

Personnel aspects of nuclear safety. TIG Brief 24:15 May 5 '72

Preoperational safety study (by USAF Nuclear Weapon System Safety Group). TIG Brief 24:9 Nov 10 '72

Realism in TPI's (Technical Proficiency Inspections). MajGen W. A. Encmark. Fld Artilleryman No. 49: 38-40 Feb '72

Security of aircraft transporting nuclear weapons. TIG Brief 24:18 Aug 18 '72

The USAF hazard reporting system for nuclear hazards. TIG Brief 24:8 Jan 28 '72

Weapon breakout and delivery. TIG Brief 24:22 Apr 7 '72

Statistics

East vs West: How they compare. Tables only. Army 22:11 Dec '72

Testing

Life on a Pacific atoll (Christmas Island)--paradise or punishment? WgComdr D. L. Eley. illus Royal Air Forces Qtr 11:296-302 Winter '71

China (People's Republic)

China: An emerging military superpower. Charles H. Murphy. illus tab AF Mag 55:52-57 Jul '72

The China factor in the ABM debate: Chronicle of a rationale. Harry E. T. Thayer. tab Forum No. 14: 1-59 Winter '71

China: Nuclear dragon. LCDR Scott Allen. illus US Nav Inst Proc 98:43-49 Jun '72

## NUCLEAR WEAPONS - Continued

China (People's Republic) - Cont'd

China's nuclear deterrent. Charles H. Murphy. (Adapted from Bulletin of the Atomic Scientists, Jan 1972) illus map AF Mag 55:22-26 Apr '72

National objectives of the People's Republic of China. LtCol James H. Buck. Ret. illus Mil Rev 52:25-37 Dec '72

Germany (Federal Republic)

National strategies within the Alliance: West Germany. Carl H. Amme, Jr. NATO's Fifteen Nations 17: 76+ Aug-Sep '72

Japan

Will Japan go nuclear? Niu Sien-Chong. Ordnance 56:292-294 Jan-Feb '72

NATO

National strategies within the Alliance: West Germany. Carl H. Amme, Jr. NATO's Fifteen Nations 17: 76+ Aug-Sep '72

Strategy for tomorrow--America's need for future security in Europe. Stanley L. Harrison. illus Mil Rev 52:57-70 Aug '72

Theatre Air Forces and tactical nuclear weapons. Maj E. van Veen. illus NATO's Fifteen Nations 17:34-39+ Aug-Sep '72

Statistics

Nuclear delivery vehicles: Comparative strengths and characteristics. A. United States and Soviet Union; B. Other NATO and Warsaw Pact countries. London's International Institute for Strategic Studies. Table only. AF Mag 55:100-102 Dec '72

Russia

The Soviet tactical Air Force and tactical nuclear weapons. Maj E. van Veen. illus NATO's Fifteen Nations 17:42-44+ Aug-Sep '72

Statistics

Nuclear delivery vehicles: Comparative strengths and characteristics. A. United States and Soviet Union; B. Other NATO and Warsaw Pact countries. London's International Institute for Strategic Studies. Tables only. AF Mag 55:100-102 Dec '72

United States

Over the threshold--'clean' tactical nuclear weapons for Europe. William Beecher. illus Army 22:17-20 Jul '72

The shift in strategic war plans. William Beecher. illus Army 22:10-14 Nov '72

U. S. strategic weapons programmes review. illus tab Interavia 27:1248-1249 Nov '72

Statistics

Nuclear delivery vehicles: Comparative strengths and characteristics. A. United States and Soviet Union; B. Other NATO and Warsaw Pact countries. London's International Institute for Strategic Studies. Table only. AF Mag 55:100-102 Dec '72

NUCLEAR WEAPONS - ContinuedWarsaw PactStatistics

Nuclear delivery vehicles: Comparative strengths and characteristics. A. United States and Soviet Union; B. Other NATO and Warsaw Pact countries. London's International Institute for Strategic Studies. Tables only. AF Mag 55:100-102 Dec '72

NURSE CORPSAir Force--U.S.

See also  
Flight Nurses

ATC leads way with nurse visits. AF Times 32:51  
Feb 23 '72

Board approves insignia for senior, chief nurses.  
AF Times 32:4 Jul 19 '72

Gal medics get pantsuits. AF Times 33:22 Nov 22 '72

New DOR (Date Of Rank) procedures assist some  
officers--nurses also get break. George Foster.  
AF Times 32:1+ Feb 16 '72

New insignia for nurses, illus TIG Brief 24:20  
Jul 14 '72

New roles for Air Force nurses. Capt Brian T.  
Ternamian. illus Airman 16:38-40 Aug '72

Nurse, AF's second lady general (Ethel A. Hoefly), to  
pin on star (and other general officer activity  
announced). AF Times 32:5 Jul 5 '72

NURSE CORPS - ContinuedAir Force--U.S. - Cont'd

Nurse Development Board plans career progression.  
TIG Brief 24:14 Jun 2 '72

Nurse-midwife residency program. TIG Brief 24:16  
Sep 1 '72

Nurses to train as midwives--another step to aid  
doctors. AF Times 32:8 Jul 5 '72

Nursing chief (Col E. Ann Hoefly) pins on star. Sue  
Toma. illus AF Times 32:22 Jul 19 '72

Smith and Jones. Sgt Dave Cole. illus Airman 16:  
42-47 Oct '72

Army--U.S.

Nurses are different--why? illus AF Times, Family  
sup:26-27 Apr 19 '72

Navy--U.S.

The admiral with the healer's hands--nurse director  
Alene Duerk. Robert J. Boylan. illus Sea Power  
15:36 Jun '72

First woman (Alene B. Durek) becomes an admiral.  
Armed Forces J 109:11 Jun '72

NUTRITION

Nutritional standards. TIG Brief 24:3 Oct 13 '72

NYGREN, Harley D.

Death of a profession? (Hydrographic engineering)  
RADM Harley D. Nygren. illus US Nav Inst Proc  
98:38-41 Jul '72

OAS see Organization of American States

ODDR & E see Defense Research and Engineering

OEP see Office of Emergency Preparedness

OER see Effectiveness Reports

OJT see On-the-Job Training

OSI see Office of Special Investigations

OTP see Office of Telecommunications Policy

OTS see Officer Training School

OBESITY see Physical Fitness

## OBSERVATORIES

See also  
Space Observatories

Ramey (AFB, PR) unit keeps eye on sun. AF Times 32:32 Feb 9 '72

OCCUPATION, MILITARY see Military Occupation

## OCEANOGRAPHY

See also  
Deep Submergence Systems Program  
Marine Resources  
National Oceanic and Atmospheric Administration  
Project--Tektite  
Underwater Research

A century of oceanology. J. R. Dean. illus Royal Air Forces Qtr 12:51-54 Spring '72

International law of the sea: A review of states' offshore claims and competences. L. F. E. Goldie. illus tabs Nav War Col Rev 24:43-66 Feb '72

Is the Soviet Union leaving us behind in oceanography? Merle Macbain. illus Sea Power 15:26-31 Jun '72

### Equipment

USNS Hayes (T-AGOR-16): The Navy's twin-hulled fracture finder. Merle Macbain. illus Sea Power 15:22-26 Nov '72

### Military Applications

The seabed arms control issue 1967-1971: A super-power symbiosis? James A. Barry, Jr. Nav War Col Rev 25:87-101 Nov-Dec '72

Sonar for tanker mooring site surveys. Lt Kenneth R. Bitting. illus Mil Engr 64:112 Mar-Apr '72

O'CONNOR, Edmund F.

AFSC Procurement Evaluation Panel: New check in defense systems acquisition. MajGen Edmund F. O'Connor. illus Def Mgt J 8:11-16 Apr '72

O'DONNELL, Emmett

In memoriam: W. Barton Leach and Gen Emmett (Rosy) O'Donnell. John F. Loosbrock. por AF Mag 55:15 Feb '72

OFFICE OF CIVIL DEFENSE see Defense Civil Preparedness Agency

OFFICE OF DEFENSE RESEARCH AND ENGINEERING see Defense Research and Engineering

OFFICE OF EMERGENCY PLANNING see Office of Emergency Preparedness

## OFFICE OF EMERGENCY PREPAREDNESS

Role of OEP (Office of Emergency Preparedness) in mobilization planning. George A. Lincoln. illus Def Mgt J 8:41-45+ Oct '72

## OFFICE OF MANAGEMENT AND BUDGET

The role of the Office of Management and Budget in the legislative process. Maj Grant Miller. illus AF JAG L Rev 14:112-114 Spring '72

## OFFICE OF MANNED SPACE FLIGHT

See also  
John F. Kennedy Space Center

## OFFICE OF SCIENCE AND TECHNOLOGY

Getting a handle on how technology spins. Interview. Edward David. illus Govt Exec 4:74+ Aug '72

## OFFICE OF SPECIAL INVESTIGATIONS

AFOSI--the Air Force's private eye. illus AF Mag 55:136-137 May '72

Fact or fiction? TIG Brief 24:1-2 Sep 15 '72

## OFFICE OF TELECOMMUNICATIONS POLICY

The role of the Department of Commerce in telecommunications. Armig G. Kandoian. illus Signal 26:82-86 Jun '72

### Organization

Clay T. Whitehead addresses AFCEAns (Washington, Feb 1972)--discusses proposed council for federal government communications. Signal 26:10-11 May '72

OFFICE OF THE DIRECTOR OF DEFENSE RESEARCH AND ENGINEERING see Defense Research and Engineering

OFFICER EFFECTIVENESS REPORT see Effectiveness Reports

## OFFICER TRAINING SCHOOL

Commission road widens. George Foster. AF Times 32:3 Apr 5 '72

From shoulder boards to gold bars--12 weeks at OTS. illus Contact 26:6-8 May-Jun '72

97 airmen tapped for OTS as program starts slowly. AF Times 32:18 Jan 26 '72

OTS expansion planned--building at Lackland (AFB, Tex). illus AF Times 32:16 Jan 5 '72

### Statistics

OTS graduates 106, including 12 WAF. AF Times 32:22 Jun 28 '72

OTS graduates 120. AF Times 32:55 Jul 12 '72

OTS pins bars on 146. AF Times 32:55 May 31 '72

197 receive bars; ex-EM total 70. AF Times 32:41 Apr 26 '72

101 receive commissions in graduation from OTS--23 WAF in class. AF Times 32:19 Mar 22 '72

312 win commissions. AF Times 33:17 Nov 8 '72

329 OTS graduates named for commissions. AF Times 32:37 Feb 23 '72

258 win commissions (from) OTS, Guard academy. AF Times 33:33 Dec 27 '72

248 win commissions at OTS. AF Times 32:19 Feb 2 '72

265 OTS graduates commissioned. AF Times 32:20 Jan 5 '72



OFFICERSSee also

Commanding Officers      General Officers  
Flag Officers              Staff Officers

Air Force--Russia

Senior and junior rank relationships. Col A. Pyatkov.  
Soviet Mil Rev No. 1:5-7 Jan '72

Air Force--U.S.

A&F (Accounting and Finance) junior officer development, Robert C. Woods. illus AF Compt 6:29 Jan '72

AF lifts veil on (field grade selection) boards. George Foster. AF Times 33:1+ Nov 15 '72

Active duty service commitments. TIG Brief 24:5 Mar 10 '72

Administrative separation of Air Force commissioned and warrant officers. TIG Brief 24:9 May 5 '72

All-out drive slated to get grade relief. AF Times 32:3 Feb 23 '72

The answer man. (ADC's junior officer advisor) Capt Edward A. Orgon and SSgt Dale E. Lybarger. illus Airman 16:14-16 Apr '72

At Academy's 14th commencement--762 graduate. illus AF Times 32:5 Jun 21 '72

Career aid plan (Palace Sentinel) set in intelligence field. AF Times 33:44 Aug 23 '72

Colonel selectees analyzed. AF Times 33:2 Nov 1 '72

Deep officer woes loom. AF Times 33:20 Nov 29 '72

Early-out eligibility expanded. AF Times 32:2 Apr 5 '72

Early-out offered to non-rated. AF Times 33:1+ Nov 1 '72

Eligibility for O-4 clarified--cut-off date is Feb 7 '67. AF Times 32:6 Apr 19 '72

Everything you always wanted to know about promotions (but didn't know who to ask). Capt John T. Correll. illus tab AF Mag 55:54-57+ Feb '72

FY 1971 (and 1972) temporary promotion selection rates. (AFIT totals) Tables only. Contact 25:25 Nov-Dec '71

A fair share for USAF minorities. Capt John T. Correll. illus AF Mag 55:25-29 Jun '72

Few officers accept early-out offer. George Foster. AF Times 32:1+ Jan 19 '72

567 officers chosen for Reg(ular) AF from component groups. AF Times 32:10 May 17 '72

Grade bill gains; O-6 list stalls. George Foster. AF Times 32:1+ Jul 5 '72

Grade relief crisis looms--siege seen. George Foster. tab AF Times 32:1+ Feb 2 '72

Grade relief delay costing selectees \$\$\$. George Foster. AF Times 32:1+ Jul 12 '72

Grade relief misses bid. George Foster. AF Times 32:1+ Mar 15 '72

Grade relief moves (through House). George Foster. tab AF Times 33:1+ Aug 9 '72

Grade relief passes; colonels list coming. George Foster. AF Times 33:1+ Oct 4 '72

Grade relief sent to Hill. AF Times 32:5 Apr 26 '72

OFFICERS - ContinuedAir Force--U.S. - Cont'd

Hike logjam broken--Senate compromise OKs officer grade relief. Ed Gates. AF Times 33:1+ Oct 25 '72

Hikes to captain delay due in '73. George Foster. AF Times 33:1+ Nov 22 '72

House unit approves grade relief moves. George Foster. AF Times 32:1+ May 31 '72

Leadership opportunities for Black officers. (Address, Joint Commissioning Exercises, Air Force and Army ROTC, Tuskegee Institute, Ala, May 13, 1972) BrigGen Lucius Theus. AF Pley Ltr for Comdrs: Sup No. 9:21-26 Sep '72

A meaningful (officer NCO) relationship. SMSgt James A. Brigham. USAF Instrs J 9:47-50 Winter '71-'72

More cuts seen for officers. AF Times 32:1+ Jul 12 '72

More early outs OK for non-rated. AF Times 33:3 Aug 30 '72

More get early out eligibility. AF Times 32:2 Apr 26 '72

Navy-type 'frocking' rejected. AF Times 32:1+ Apr 19 '72

Navy's 'frocking' decision studied by AF planners. George Foster. AF Times 32:1+ Mar 29 '72

New DOR (Date Of Rank) procedures assist some officers--nurses also get break. George Foster. AF Times 32:1+ Feb 16 '72

New 'outs' slated--more officer force cuts. George Foster. AF Times 32:1+ Mar 22 '72

New responsibilities of Air Force officers. Col Noel F. Parrish. (Reprinted from Air University Quarterly Review, Spring 1947) illus AU Rev 23:12-25 Mar-Apr '72

970 officers advance to 1(lieutenant) c(olonel), major June 1. AF Times 32:6 Jun 7 '72

O-6, 5 hikes stalled. George Foster and Ed Gates. AF Times 33:1+ Oct 18 '72

OER changes to get tests. George Foster. AF Times 33:1+ Aug 16 '72

Officer early outs gain fast response. George Foster. AF Times 32:4 Mar 1 '72

Officer hike plans move despite grade relief snag. AF Times 33:3 Sep 13 '72

Officer 'outs' offer widens--many spurn it. George Foster. AF Times 32:1+ Feb 9 '72

Officers may remain if wives are pregnant. AF Times 32:11 May 24 '72

Officers sought from minorities. AF Times 32:1+ May 24 '72

Officers want tighter trax criteria (at AF Career Motivation Conference, Maxwell AFB, Ala, June 5-9, 1972). AF Times 33:55 Aug 23 '72

131 physicians get field-grade hikes. AF Times 32:6 Feb 2 '72

Pay plan for fliers aimed at 'mid years.' Bruce Callander. AF Times 32:13 Mar 1 '72

Personnel outlook for the comptroller family. Col Edmund W. Edmonds, Jr. illus tabs AF Compt 6:11+ Jan '72

OFFICERS - ContinuedAir Force--U.S. - Cont'd

- Quick hike resumption eyed--plans made for officers. AF Times 33:3 Dec 27 '72
- A reawakening of the JOAC. Maj Robert W. Hunter. illus AF Mag 55:124-125 Dec '72
- Reg(ular) AF chances due six groups. AF Times 33:3 Nov 1 '72
- Regulars, Reserves: Why both 'active?' Bob Horowitz. AF Times 32:3 Jan 12 '72
- Retiring O-6s lose base option--terminal assignments must be in authorized colonel slots. AF Times 33:4 Aug 30 '72
- Rules explained for staying in (beyond established dates of separation). AF Times 33:5 Sep 20 '72
- Ruling lets notaries remain as officers. AF Times 32:3 May 24 '72
- 'Select out' method for colonels sought. AF Times 33:6 Aug 23 '72
- 70 (non-rated field-grade officers) slated for SEA involuntary tours. George Foster. AF Times 33:1+ Aug 23 '72
- 649 picked for permanent colonel. AF Times 32:59 Jun 28 '72
- 1,684 win appointment as Regulars. AF Times 32:1+ Apr 19 '72
- 6,322 officer hikes set--grade relief still needed. George Foster. AF Times 32:1+ Apr 12 '72
- Supplement management and nonrated officers. Contact 25:17-18 Nov-Dec '71
- Survey shows Air Force members' views (on discipline, rules and regulations). AF Plcy Ltr for Comdrs: Sup No. 3:26-29 Mar '72
- TOPLINE--a personnel management plan. (Remarks, Dining In, Goose AB, Labrador, Aug 10, 1971) LtGen Robert J. Dixon. AF Plcy Ltr for Comdrs: Sup No. 1:8-15 Jan '72
- Temp O-4 hikes go to 1,630. George Foster. tab AF Times 32:1+ Jan 5 '72
- 391 due hikes on Dec 1. AF Times 33:2 Nov 29 '72
- 205 officers forced out. George Foster. AF Times 32:1+ Jun 14 '72
- Uncertainty clouds field-grade hikes. AF Times 32:1+ Feb 9 '72
- War zone shortages hit colonels--some returned involuntarily. AF Times 32:15 May 10 '72
- The weather career field. illus Contact 26:6 Jan-Feb '72
- The whole man? A look at the neglected half of Air Force education. LtCol William L. Anderson. AU Rev 23:60-65 Sep-Oct '72

Statistics

- AF details FY 73 promotion plans. tabs Armed Forces J 109:14-15 Mar '72
- AF seeks hump legislation. tabs Armed Forces J 109:16-17 Apr '72
- FY-72 exits hit 13,471 officers. AF Times 33:20 Oct 4 '72
- Grade table comparisons--AF commissioned officers. Tables only. Armed Forces J 109:16 Apr '72

OFFICERS - ContinuedAir Force--U.S. - Cont'dStatistics

- Half of NCOs retire in top grades. tab AF Times 32:6 May 3 '72
- 1783 make 1 (lieutenant) c (olonel); majors on way. George Foster. AF Times 33:1+ Nov 1 '72
- 3503 majors named. George Foster. AF Times 33:1+ Nov 8 '72
- USAF goes to the Hill for grade relief. illus tab AF Mag 55:60-62 Mar '72
- Officer's technical efficiency. LtCol Y. Kirshin. illus Soviet Mil Rev No. 6:28-29 Jun '72
- Our strength is in friendship of the peoples. (Men of many nationalities in Soviet Armed Forces) Capt A. Skrylnik. Soviet Mil Rev No. 7:2-5 Jul '72

Armed Forces--RussiaArmed Forces--U.S.

- DOD eyes O-2 hike delay to 18 months. AF Times 33:3 Dec 13 '72
- Education for leadership. Maj Henry G. Gole. illus MarCor Gaz 56:18-26 Dec '72
- Former military men have a place in defense industry. RADM Herman Reich, Ret. US Nav Inst Proc 98:91-93 Aug '72
- Later promotions for O-1s opposed. AF Times 33:3 Sep 20 '72
- Midshipman and cadet profiles and national norms: A comparison. Charles L. Cochran. illus tabs Nav War Col Rev 24:37-47 May '72
- The military-industrial complex and antimilitarism--the role of retired officer employment. Arthur D. Larson. illus tabs AU Rev 23:26-33 May-Jun '72
- O-1, O-2 face hike waits. George Foster. AF Times 33:1+ Sep 6 '72
- O-3 stretch-out logical, but questions remain. Ed Gates. AF Times 33:13 Dec 6 '72
- Officer merger receives study. AF Times 32:6 Mar 1 '72

Army--Russia

- The commander's prestige. (Interview with 4 Russian officers) LtCol G. Timokhin. Soviet Mil Rev No. 10: 38-39 Oct '72
- Officer training in a battalion. Col M. Strigotsky. Soviet Mil Rev No. 4:22-23 Apr '72

Army--U.S.

- (Army) Officer Personnel Management System (OPMS). Mil Rev 52:100-101 Jul '72
- Company level personnel managers: Junior officers. LtCol James R. Bambery. Infantry 62:32-35 May-Jun '72
- Delusions of grandeur: Career assignment patterns and goals of active duty majors in USACGSC class of 1971-72. Maj Phillip W. Mock. tabs illus Mil Rev 52:50-65 Oct '72
- Guide for future action officers. LtCol Joseph C. Wilson. Infantry 62:44-47 May-Jun '72
- The Modern Volunteer Army (MVA): A product of junior officers. 2dLt Carl G. Schott, illus Infantry 62:6-8 Jul-Aug '72

OFFICERS - ContinuedArmy--U.S. - Cont'd

- OPMS (Officer Personnel Management System). tab  
Mil Rev 52:95-97 Sep '72
- Officers and NCO's: A working relationship that must  
endure. Capt David M. Dacus and others. Infantry  
62:24-27 Nov-Dec '72
- Psychological dimensions of Army students attending  
the U. S. Army War College: An analysis. LtCol  
Peter B. Petersen. illus tab Parameters 2:60-70  
Spring-Summer '72
- Resignations at West Point. Col Robert D. Heinl, Jr.  
Armed Forces J 109:36 Aug '72
- A self-fulfilling prophesy. Lawrence R. Crane.  
Infantry 62:52-53 Nov-Dec '72
- The talent drain. Col Arthur J. Cornelson, Ret. illus  
Army 22:47-50 Apr '72

Marine Corps--U.S.

- (Col) John Magruder: In memoriam. Col R. D. Heinl,  
Jr, Ret. illus MarCor Gaz 56:16-17 Nov '72
- More minority officers needed in (Marine Corps)  
command structure. MarCor Gaz 56:3 Mar '72
- Training those few good men. (Comment on article  
by Capt C. R. Stichter, MarCor Gaz, Oct 1971)  
Maj D. T. Dale. MarCor Gaz 56:46-47 Feb '72
- Youth wants to know--facts. (Comment on article by  
Capt C. R. Stichter, MarCor Gaz, Oct 1971) Maj  
S. K. McKee. MarCor Gaz 56:47-48 Feb '72

National Guard--Air Force--U.S.

- ANG forces more out. AF Times 32:6 Jan 12 '72
- Guard to screen 20-year officers. AF Times 33:8  
Nov 15 '72
- Justice charges ANGers. Len Famiglietti. AF Times  
32:2 Mar 8 '72
- 9 top ANG officers guilty of fund raising. AF Times  
32:2 Feb 23 '72
- 20-year career assured for Guard. AF Times 32:4  
Mar 22 '72

Navy--U.S.

- The ASW officer: "Jack of all trades, master of  
none." Robert R. Mackie. illus US Nav Inst Proc  
98:34-40 Feb '72
- Automating the naval officer selection and promotion  
system. CAPT G. H. Lewis. illus tabs Nav War  
Col Rev 25:37-53 Sep-Oct '72
- The changing role of the Officer of the Deck. CDR  
Nicholas Brown. illus US Nav Inst Proc  
98:112-113 Sep '72
- The dilemma of the junior officer. CDR Arthur M.  
Osborne. US Nav Inst Proc 98:120-121 Apr '72
- The 1100: He flies not; neither does he sink. CAPT  
Andrew G. Nelson. illus US Nav Inst Proc 98:44-48  
Mar '72
- Naval flight officer (in Marine fighter planes). Capt  
J. D. Cummings. illus MarCor Gaz 56:23-26  
May '72
- The Officer Educational Specialist--a proposal. LT  
John B. Washbush and LCDR Lee R. Hess. illus  
tab US Nav Inst Proc 98:116-118 Jul '72

OFFICERS - ContinuedNavy--U.S. - Cont'd

- The restricted unrestricted line officer: The status of  
the Navy's woman line officer. LCDR Beth F.  
Coye. illus tabs Nav War Col Rev 24:53-64  
Mar '72
- The surface line officer: Some conn, some can't.  
CDR D. R. Larson. illus chart US Nav Inst Proc  
98:42-49 Jul '72
- Reserve Forces--Air Force--U.S.
- Career Reserve status. TIG Brief 24:7 Mar 10 '72
- 896 win ROPA hike to lieutenant (colonel)--129 on  
active duty. AF Times 32:59 Jul 12 '72
- 827 Reserve officers make ROPA major. AF Times  
32:39+ Apr 5 '72
- Few serve in 'lower than' status. tabs AF Times  
32:10 Feb 23 '72
- Fewer Reservists can go career. AF Times 33:3  
Oct 11 '72
- Quick hikes (in Air Reserve Forces)--many don't  
qualify. Gene Spooner. AF Times 33:17 Sep 27 '72
- Reg(ular) AF plan will continue. George Foster. AF  
Times 32:1+ Apr 26 '72
- Regulars, Reserves: Why both 'active'? Bob  
Horowitz. AF Times 32:3 Jan 12 '72
- Reserves to lift lid on NCOs. Gene Spooner. AF  
Times 32:4 Jul 5 '72
- 6,500 (Reservists) eye Reg(ular) AF. AF Times  
32:1+ Jan 12 '72
- 332 selected for Regular. AF Times 33:22 Aug 9 '72
- 205 officers forced out. George Foster. AF Times  
32:1+ Jun 14 '72

Statistics

- 130 Reservists named for eagles. AF Times 33:4  
Nov 1 '72

Reserve Forces--Armed Forces--U.S.

- Officer merger receives study. AF Times 32:6  
Mar 1 '72
- Rule (by U.S. District Court) on Reserves (commis-  
sions held by congressional members) appealed.  
Officer 48:11 Jan '72

OFFICERS CLUBS

- AF will undertake open mess training. AF Times  
32:10 Feb 9 '72
- Army signs credit card contract. AF Times 33:21  
Aug 23 '72
- Early outs deplete club officer ranks. AF Times 33:6  
Oct 25 '72

OIL see Lubrication and Lubricants; Petroleum;  
Petroleum Industry and TradeOKINAWA

- Okinawa: Ingredients of a decision. Francis X. Ready.  
Forum No. 14:78-100 Winter '71
- Okinawa reversion: A study in change. LtGen Gordon  
M. Graham. illus AU Rev 24:34-41 Nov-Dec '72



OLDFIELD, Barney

Die Luftwaffe--cactus country good citizens. Col  
Barney Oldfield, Ret. illus NATO's Fifteen  
Nations 17:94-99 Aug-Sep '72

OLMSTED, George

Soldier, patriot, financier. por Armed Forces J  
109:12 Mar '72

OMAN

The Sultan of Oman's Air Force. WgComdr P.J.  
Hirst, illus Royal Air Forces Qtr 11:273-275  
Winter '71

OMEGA

Omega (navigation). illus MAC Flyer 19:11-13  
Mar '72

The quiet revolution in radio navigation. James J.  
Heigl, Jr. illus maps Signal 26:21-24 Mar '72

ON-THE-JOB TRAINING

Challenge of the seventies. SMSgt Bill Hester. USAF  
Instrs J 9:63-66 Winter '71-'72

OPERATION

See also  
Exercise

Arc Light

Airpower halts an invasion. (Based on interviews with  
Gens F. C. Weyand, L. D. Clay, Jr, G. W. Johnson,  
J. R. McGiffert and J. W. Vogt, Jr) Edgar Ulsamer.  
illus AF Mag 55:60-68+ Sep '72

Bootstrap

Bootstrap commissioning program. TIG Brief 24:21  
Nov 24 '72

Deep Freeze

AFers winter in Antarctica. illus AF Times 32:38  
Mar 1 '72

Journey to the ice. Robert P. Everett. illus Airman  
16:24-28 Mar '72

MAC's role in Deep Freeze. Edward J. Belz. illus  
AU Rev 23:34-43 May-Jun '72

Operation Deep Freeze. Capt Glenn R. Barnett. illus  
Navigator 19, No. 1:2-4 '72

Linebacker

Admiral (John S.) McCain (Jr) assesses the war in  
Southeast Asia. Interview. illus AF Mag 55:  
52-53 Sep '72

Airpower halts an invasion. (Based on interviews with  
Gens F. C. Weyand, L. D. Clay, Jr, G. W. Johnson,  
J. R. McGiffert and J. W. Vogt, Jr) Edgar Ulsamer.  
illus AF Mag 55:60-68+ Sep '72

Niagara

AOK airpower over Khe Sanh. LtCol William H.  
Greenhalgh, Jr, Ret. illus map Aerosp Hist  
19:2-9 Mar '72

OPERATIONAL READINESS

See also  
Combat Readiness

Choice: FHG (Flying Hour Goal) or AEI (Aviation  
Efficiency Index). LtCol Martin R. Vissers. illus  
USA Avn Dig 18:24-27 Nov '72

OPERATIONAL READINESS - Continued

Gone is the warning time. Sweeping change makes  
Naval Reserve 'readier' than ever. RADM Edwin  
M. Rosenberg. illus Sea Power 15:28-33 Mar '72

National Guard Aviation prepares for readiness role.  
LtCol Charles R. Jones. illus USA Avn Dig 18:  
18-21 Mar '72

ORI. Regular feature in issues of Interceptor

The pre-war era. Col John E. Greenwood. illus  
MarCor Gaz 56:33-37 Sep '72

Reserve readiness--the name of the game at TAC.  
BrigGen Howard T. Markey. illus AF Mag 55:  
56-59 Oct '72; Adaptation. Air Reservist 24:  
10-11 Nov '72

Today's questions, tomorrow's Army. LtGen John  
Norton. illus Army 22:83-86 Oct '72

OPERATIONAL RESEARCH

See also  
Systems Analysis

Operational analysis and the computer. SqLdr T. J.  
Nash. illus Hawk No. 33:39-43 Feb '72

Review of logistics concepts. Bhany V. Shenoy. Log  
Spectrum 6:14-17+ Summer '72

OPERATIONAL TEST AND EVALUATION

Air Force test and evaluation activities. TIG Brief  
24:8 Jun 16 '72

Eglin unit (4485th Test Sq) conducts 'hot' hardware  
tests. AF Times 32:25 Jan 5 '72

Test launch of the Minuteman G. Capt David A. Labar  
and Lt Stephen G. Mihok. illus Combat Crew 23:  
8-11 Sep '72

OPERATIONS, MILITARY

(Operation) Blue Ax. illus tab MarCor Gaz 56:27-29  
May '72

OPTICS

See also  
Lasers

ORDNANCE

Fluidics in ordnance. Richard K. Smith. illus  
Ordnance 56:391-394 Mar-Apr '72

ORGANIZATION

See also subdivision under specific subjects,  
e. g.,  
Defense Dept--U. S. --Organization

Management in the Armed Forces. T. E. Chester.  
illus Royal United Svcs Inst for Def Studies J 116:  
24-31 Dec '71

A revolution in organizational concepts. Russell L.  
Ackoff. illus Nav War Col Rev 24:4-14 Jan '72

Technology and the establishment. Col Raymond C.  
Shreckengost. illus Nav War Col Rev 24:16-32  
Mar '72

ORGANIZATION OF AMERICAN STATES

The need for a new U. S. policy toward Cuba in the  
1970's. CAPT O. K. Hallam. tabs Forum No. 13:  
52-69 Fall '71; Adaptation. Nav War Col Rev 24:  
1-15 Mar '72

OSTROM, Charles D.Y.

Army logistics system--a time for analysis. BrigGen Charles D.Y. Ostrom, Ret. illus Army Log 4: 8-11+ Sep-Oct '72

OUTPUT MEASUREMENT

Better federal coverage needed to improve national measurement. Jerome A. Mark. illus tabs Def Mgt J 8:12-15 Oct '72

Economic realism; Basis for productivity growth. M. P. Venema. illus Def Mgt J 8:7-11 Oct '72

Joint study (of government workers) shows productivity gains. Thomas D. Morris. illus tab Def Mgt J 8:16-20+ Oct '72

Output measures. Edmund W. Edmonds, Jr. illus tabs Armed Forces Compt 17:32-35 Winter '72

Productivity analysis, tempered with judgment, improves efficiency. Nestor E. Terleckyi. Def Mgt J 8:25-28 Oct '72

Steelworkers union and industry join hands to improve productivity--economic stability important factor. I. W. Abel. illus Def Mgt J 8:21-24 Oct '72

Why output measurement in the Federal Government? Maj Norman L. Merritt. illus tabs AF Compt 6:26-29+ Jul '72

Work measurement essential to resource management. Eckhard Bennewitz. illus Def Mgt J 8:30-35 Oct '72

Worker productivity key element in government and business. J. D. Hodgson. illus Def Mgt J 8:2-6 Oct '72

OVERALL EFFICIENCY INDEX see Effectiveness Reports--ArmyOVERSEAS DUTY

The Air Force Civil Engineer and the military statesmanship role. Maj Robert M. Gogal. illus AF Civil Engr 13:17-19 Aug '72

Computer snubs volunteers (for overseas assignments). AF Times 32:8 Mar 1 '72

E-4 to E-7 radio slots open o'seas (in Palace Sparks program). AF Times 33:21 Aug 23 '72

Earlier oversea bids OK. AF Times 33:20 Nov 1 '72

Expectant dad rule extends EM o'seas. AF Times 32:6 May 31 '72

5 ways to earn 'short' credit. (AFM 39-11 and AFM 36-11) AF Times 33:19 Aug 9 '72

Gettin' there is gettin' easier. (Nine-month notification of overseas assignment) MSgt L. B. Leonberger. Airman 16:36 May '72

Many o'sea allowances change--effect of shifting \$\$ rate. AF Times 33:23 Oct 18 '72

O'sea allowance due eight changes. AF Times 33:10 Sep 13 '72

O'sea extension requests welcomed--at right time. AF Times 32:22 Feb 23 '72

O'sea people save on cars. AF Times 32:22 Apr 5 '72

Overseas freeze list hits field--bars PCS for thousands. AF Times 32:8 May 17 '72

O'seas 'stays' pushed. AF Times 33:11 Dec 20 '72

Overseas TDY per diem to reduce. AF Times 33:42 Nov 22 '72

OVERSEAS DUTY - Continued

Services run big school system--175,350 o'sea kin in classes. Sue Toma. AF Times 32:23 Feb 2 '72

'Short' airmen warned. AF Times 32:7 May 10 '72

Short-tour credit plan clarified. AF Times 33:10 Sep 20 '72

Short-tour policy: Overseas TDY to earn credit. AF Times 32:1+ Jul 12 '72

Singles tour cut overseas. Bruce Callander. AF Times 32:1+ May 10 '72

Un-sponsored tour tough. Bob Towle. AF Times 32:1+ May 10 '72

Weight limits relaxed. Bob Schweitz. AF Times 32:2 May 17 '72

Young JAG officers due o'sea duty. AF Times 32:3 Jul 5 '72

Asia, Southeastern

List of 'SEA-critical' skills grows longer. tab AF Times 32:8 Feb 2 '72

More SEA returns loom. AF Times 32:3 Jun 7 '72

SEA-critical skills grow. Bruce Callander. tab AF Times 33:1+ Aug 16 '72

SEA-critical skills grow in new list. AF Times 32:10 May 31 '72

SEA duty: 240 slots for rated. AF Times 32:3 Jul 26 '72

SEA TDY held to 179 days. AF Times 32:2 Aug 2 '72

70 (non-rated field-grade officers) slated for SEA involuntary tours. George Foster. AF Times 33:1+ Aug 23 '72

Shuffles seen as war ends. AF Times 33:10 Nov 22 '72

Some SEA TDYers due pro pay break. AF Times 32:13 Jul 12 '72

Want to PCS? Ask for SEA. Bruce Callander. AF Times 32:1+ Feb 16 '72

War zone shortages hit colonels--some returned involuntarily. AF Times 32:15 May 10 '72

Cuba

Living in Gitmo. Andrew Schneider. illus AF Times, Family sup:12-15+ Nov 15 '72

Europe, Western

Downhill racing with the \$. Jim Sample. AF Times, Family sup:7 Aug 2 '72

International community relations is every soldier's business. Infantry 62:18-19 May-Jun '72

Germany (Federal Republic)

Poverty in Europe. Jan Nugent. illus AF Times, Family sup:6+ Aug 2 '72

(USAF bases in) Germany. AF Times pt 1, Barracks need improvement. 32:8 Apr 26 '72

Great Britain

England--it's good duty, but living costly. illus AF Times 32:42 Apr 12 '72

Welcome to Britain! An ally tells all about his country. Col Norman L. Dodd, Ret. illus AF Times 33:25+ Dec 6 '72

OVERSEAS DUTY - ContinuedGreece

Living in Greece. Lee Ewing. illus tab AF Times,  
Family sup:6-8+ Aug 16 '72

Turkey

Turkey--small woes temper good living. AF Times  
32:22 Mar 29 '72

OXYGEN

Effects of in vivo inhalation of 100% oxygen at reduced  
pressure on serum and red cell lipids. Emmett L.  
Foulds and others. illus tabs Aerosp Med 43:651-  
655 Jun '72

Regression analysis for steady state  $N_2$  inequality in  
 $O_2$  consumption calculations. John H. Cissik and  
Robert E. Johnson. illus tabs Aerosp Med 43:589-  
591 Jun '72

OXYGEN EQUIPMENT

Doc talk. (Flying above 50,000 feet without a pressure  
suit) Maj Frederic M. Brown. Interceptor 14:  
20-21 Sep '72

Misuse of oxygen systems in jet fighter aircraft.  
TIG Brief 24:5 Apr 7 '72

Oxygen quick-check. LtCol Thomas J. McNey. Aerosp  
Safety 28:14 Aug '72

Things to come--aircraft LOX (Liquid OXygen) gen-  
erators. Bill Valenteen. illus Approach 17:12-13  
Apr '72

USAF custom fit oxygen mask program. Giles W.  
Hall. Aerosp Med 43:679-680 Jun '72



PACAF see Pacific Air Forces

PASTRAM see Passenger Traffic Management System

PCS see Permanent Change of Station

PPBS see Planning-Programming-Budgeting System

#### PACIFIC AIR FORCES

See also

Air Force, 5th

Air Force, 7th

PACAF--air superiority in the Pacific. illus tab  
chart AF Mag 55:68-72 May '72

PACAF rec(reation) funders get 'pro' (procurement)  
assistance. AF Times 33:23 Aug 23 '72

#### PACIFIC COMMAND

Home to Hawaii: Gayler succeeds McCain as  
CinCPAC. Heather David. illus Sea Power  
15:14-17 Sep '72

'The long blue line.' (ADM John S. McCain, Jr  
retires as Commander-in-Chief, Pacific and  
VADM Noel Gayler will replace him) Editorial.  
Sea Power 15:7 Apr '72

Pacific Command urged to consolidate support.  
AF Times 32:51 Jun 7 '72

Transportation in the Pacific Command. (From  
address, NDTA's 6th International Transportation  
Seminar-Pacific, Honolulu, Hawaii, Feb 7-9,  
1972) illus Translog 3:9-10+ Apr '72

PACIFIC FLEET see Fleet, 7th

#### PACIFIC ISLANDS

The coral carrier (Tern Island, French Frigate  
Shoals). A. Binion Amerson, Jr. illus maps Mil  
Engr 64:33-36 Jan-Feb '72

Life on a Pacific atoll (Christmas Island)--paradise  
or punishment? WgComdr D. L. Eley. illus  
Royal Air Forces Qtr 11:296-302 Winter '71

The other Southeast Asia. Richard Butwell. Persp in  
Def Mgt, pp 17-27, Autumn '72

PACKAGING see Containers

#### PACKARD, David

David Packard: Defense success. LtGen Ira C. Eaker,  
Ret. AF Times 32:13 Jan 26 '72

Divisiveness in the Defense establishment: It affects  
more than the Pentagon. Critical reflections on  
his three years as Defense's number two man.  
(Address, National Security Industrial Assoc,  
Washington, March 9, 1971, accepting the James  
Forrestal Award for 1971) David Packard. por  
AF Times, Family sup:18-19 Jun 7 '72

Improving R&D management through prototyping.  
David Packard. illus Def Mgt J 8:3-6 Jul '72

Packard blasts leaders (before a meeting of the  
National Security Industrial Association). Bob  
Schweitz. AF Times 32:2 Mar 22 '72

Prototyping: Attack on the unk unks (unknown un-  
knowns). por Govt Exec 4:48-49 Mar '72

#### PACKING FOR SHIPMENT

Eleven ways to reduce packaging costs. Alan D. Henry.  
illus Army Log 4:8-11+ Jan-Feb '72

#### PACKING FOR SHIPMENT - Continued

GSA automatic strapping. Charles Fogarty. illus  
Review 52:51+ Jul-Aug '72

Tidy, tight, thrifty. (GSA's "shrink wrap" system)  
Jackson B. Weaver. illus Review 51:44-45  
Jan-Feb '72

PACTS see Treaties and Alliances

#### PAKISTAN

Peking and the third world. V. Kudryavtsev. Soviet  
Mil Rev No. 3:52-53 Mar '72

#### Foreign Relations

##### India

India and Pakistan--what now? LtCol A. A. Mains.  
Army Qtr 102:298-302 Apr '72

Why India won: The 14-day war. Ravi Rikhye. tabs  
Armed Forces J 109:38-41 Apr '72

##### Politics and Government

Pakistan--what went wrong. LtCol A. A. Mains. Army  
Qtr 102:28-33 Oct '71

#### PALMER, Bruce, Jr

Army's Gen (Bruce) Palmer: "The two worlds some-  
times don't jibe." Govt Exec 4:36 May '72

The challenge of change. Gen Bruce Palmer, Jr.  
por Army 22:20-23 Oct '72

Infantry: The heart and soul of a professional Army.  
Gen Bruce Palmer, Jr. por Infantry 62:6-11  
Mar-Apr '72

(Tremendous period of change for Army and Armor)  
(Banquet address, U. S. Armor Assoc, Fort Knox,  
Ky, May 19, 1972) Gen Bruce Palmer. por Armor  
81:57-59 Jul-Aug '72

#### PANAMA CANAL

Sturgis delivers power wherever she goes. SGM P. S.  
Effron. illus Soldiers 27:42-46 Dec '72

#### PAPPAS, George A., Jr

JCS's BrigGen George A. Pappas, Jr: "How do we  
all work together?" por Govt Exec 4:24 Jan '72

The next decade: Communications-electronics in the  
DOD. BrigGen George A. Pappas, Jr. Signal 26:  
16-18+ Jan-Feb '72

The role of satellite communications in the DOD.  
BrigGen George A. Pappas, Jr and LtCol T. G.  
Adcock. illus Signal 27:25-27 Sep '72

#### PARACHUTE JUMPING

Jumps for joy. SP4 John Corrigan. illus Soldiers 27:  
38-39 Nov '72

Parachute jumping areas. Map only. Approach 18:  
24-25 Dec '72

#### PARACHUTES

Gemini spacecraft--how it works: The total story of  
Gemini. illus (Also cutaways) Space World pt 1,  
I-12-108:4-40 Dec '72

It pays to wait! (Automatic vs manual separation on  
the Martin-Baker System) Roger Emmett. (Re-  
printed from TAC Attack, July 1968; Approach,  
Jan 1969) illus Approach 18:26-30 Oct '72

PARACHUTES - ContinuedMaintenance and Repair

Live by their work--riggers of the 600th Quartermaster Company. Lt Michael S. Tomczyk. illus Soldiers 27:42-43 Jan '72

PARAMILITARY FORCES

Militias in the missile age. Walter C. Clemens, Jr. illus tab Mil Rev 52:28-47 Aug '72

Hungary

The Hungarian Workers' Militia. Peter I. Gosztony. illus Mil Rev 52:54-58 Jul '72

Russia

Militias in the missile age. Walter C. Clemens, Jr. illus tab Mil Rev 52:28-47 Aug '72

PARAMILITARY OPERATIONS

Paramilitary case study--the Bay of Pigs. (Lecture, Naval War College) Lyman B. Kirkpatrick, Jr. Nav War Col Rev 25:32-42 Nov-Dec '72

PARARESCUE

The mission of T-3. (Training pararescue men near Alaska) Sgt Dave Cole. illus Airman 16:2-6 May '72

PARRISH, Noel F.

New responsibilities of Air Force officers. Col Noel F. Parrish. (Reprinted from Air University Quarterly Review, Spring 1947) por AU Rev 23:12-25 Mar-Apr '72

PARATROOPS

The future of Airborne. LtCol Thomas E. Parsons. illus chart Infantry 62:6-8 Nov-Dec '72

PASCHALL, Lee M.

An Air Force professional--the base communications officer. MajGen Lee M. Paschall. por Signal 26:48-50+ Jan-Feb '72

Command and control is of fundamental importance. Interview. MajGen Lee M. Paschall. por AF Mag 55:42-46 Jul '72

Minicomputers and microprogramming. (Address, AFCEA, Washington, June 6, 1972) MajGen Lee M. Paschall. Signal 26:35-36 Jul-Aug '72

PASSENGER TRAFFIC MANAGEMENT SYSTEM

Consolidated Army port calls--getting it all together for better management of resources. John W. Sandfort. illus Translog 3:2-5 Jun '72

Passenger Standing Route Order: Aid to recruits and recruiters. James C. Townes. illus Translog 3:15-16 Apr '72

The people people. (Interview with Col Joe O. Bellino) Pat Thomasson. illus Translog 3:2-6 Feb '72

View from the middle. (Mid-level executive briefings at Hq MTMTS) LtCol Bruce M. Bellamy. illus Translog 3:2-5 Apr '72

PATHFINDERS

Pathfinders: First in--last out. Capt Edward M. Chamberlain. illus Infantry 62:32-35 Jan-Feb '72

PATRIOTISM

A message for military leaders. Gen Bruce K. Holloway. illus Combat Crew 23:4-6 Jan '72

PATRIOTISM - Continued

The offensive spirit (during the battle at Moscow in September 1941-January 1942). MajGen F. Stepanov. illus Soviet Mil Rev No. 6:39-41 Jun '72

Patriotism: The self-evident truths. Ed Mason. illus US Nav Inst Proc 98:30-33 Feb '72

PATROL BOATS

Boeing hydrofoil contract: Five, 25, or 100 PHMs? illus Armed Forces J 109:20 Jan '72

PATROLS

See also  
Airplanes in Patrol Work

PATTERSON, Robert A.

MajGen Patterson nominated for USAF Surgeon General. por Aerosp Med 43:815 Jul '72

PATTON, George S., Jr

Patton and Montgomery: Alike or different? LtCol Martin Blumenson. por biog Army 22:16-22 Jun '72

The Patton Museum. Col Earl W. Sharp. illus Armor 81:28-29 May-Jun '72

PAVEMENTSMaintenance and Repair

Rapid setting cements. L. E. Pendergrast. illus tab AF Civil Engr 13:8-10 Aug '72

PAY, ALLOWANCES, ETC

See also pay and/or allowances by name, e. g.,  
Bonuses                      Proficiency Pay  
Clothing Allowances      Quarters Allowances  
Dual Compensation        Retirement Pay  
Flight Pay                  Separation Pay  
Foreign Duty Pay          Subsistence Allowances  
Incentive Pay              Travel Pay

Air Force--U.S.

AFAFC's AMPS (Accrued Military Pay System) 360/65 system. Capt Charles L. Martin, Jr. illus tabs AF Compt 6:8-10 Jan '72

Big bonuses coming soon. Bob Horowitz. AF Times 32:1+ Mar 29 '72

Competitive pay seen for medics. illus AF Times 32:22 Feb 16 '72

Doctor pay boost called essential (by Defense Dept's Richard Wilbar). AF Times 32:1+ Jan 26 '72

Easing the bill paying burden (with allotments). Kitty Kattenhorn. Airman 16:17-19 Nov '72

Fogy 'catch-ups' (in pay) due during April. AF Times 32:2 Mar 29 '72

The many faces of SAC's "Mr Pay." Col A.H. Watkins. illus AF Compt 6:16-17 Jan '72

Many leaving overpaid. AF Times 32:2 Jun 14 '72

Motivation? Try money! Maj Willard R. Mumford. illus Airman 16:9 Sep '72

Pay a big lure as draft fades: Survey results. AF Times 33:21 Sep 13 '72

Pay mushrooms in 25 years. AF Times 33:21 Sep 20 '72

Pay rates now, 20 years ago--how much better? Bruce Callander. AF Times 32:13 Jul 5 '72

PAY, ALLOWANCES, ETC - ContinuedAir Force--U.S. - Cont'd

- Single-married issue: AF pushing benefit 'equality.' Bob Towle. AF Times 33:1+ Aug 30 '72
- Temporary Lodging Allowances (TLA)--administrative examination. TIG Brief 24:20 Oct 27 '72
- U.S. court decides 'civilian' airman (William Bates) to get back pay. Bruce Covill. AF Times 32:8 Feb 9 '72
- Unsatisfied indebtedness on final separation from the Air Force. TIG Brief 24:5 Jul 14 '72
- WAF (SSgt Deborah H. Knaup) seeks full benefits for husband. AF Times 33:44 Aug 23 '72

Armed Forces--U.S.See also

- Joint Uniform Military Pay System
- All-vol outlook--\$40,000 a year pay for doctors? AF Times 32:11 Jul 26 '72
- BX costs to go up, price hike unlikely. AF Times 33:44 Sep 27 '72
- Big hikes at bottom given up. AF Times 32:2 Jun 21 '72
- Bill lets wife nab paycheck (for child support, alimony). Bob Horowitz. AF Times 32:1+ Jul 5 '72
- 'Blue collar' raises set--military and kin benefit. Bob Horowitz. AF Times 33:1+ Sep 6 '72
- Boosts due retroactively for longevity. Randy Shoemaker. AF Times 32:1+ Feb 23 '72
- DOD report says spending upped by 'people' costs. AF Times 33:19 Aug 23 '72
- The EM's lobbyists on Capitol Hill. (Interview with Robert Nolan, Carl A. Bunn, and Donald Harlow) illus AF Times, Family sup:6-7+ Mar 1 '72
- Early legislation planned on military special pays. Armed Forces J 109:10-11 Mar '72
- Foggy raise thaws--retroactive longevity boosts near. Randy Shoemaker. AF Times 32:1+ Mar 8 '72
- January raise now pegged at 7 percent. Bob Horowitz. tab AF Times 32:1+ Jun 14 '72
- Laird can't find savings in the McGovern budget. AF Times 32:3 Jul 19 '72
- Military pay rates higher than civilian. AF Times 32:1+ Jan 12 '72
- Military raises too high, illegal? (LtCol Edgar McKean, Ret, before House Armed Services subcommittee) AF Times 33:4 Nov 15 '72
- October raise opposed. Bob Schweitz. AF Times 32:1+ Jan 26 '72
- October raise unlikely. Bob Horowitz. AF Times 33:1+ Sep 20 '72
- Other aspects of big freeze. AF Times 33:20 Dec 27 '72
- Pay boost for the Armed Forces, effective 1 January 1972. Table only. Soldiers 27:33 Jan '72
- Pay forgiveness power widens. AF Times 33:3 Oct 11 '72
- Pay formulas challenged. AF Times 33:1+ Nov 22 '72
- Pay hike brings strange results, mixed reviews. tab Armed Forces J 109:10-11 Feb '72

PAY, ALLOWANCES, ETC - ContinuedArmed Forces--U.S. - Cont'd

- Pay hike decisions pending. Randy Shoemaker. AF Times 32:1+ May 31 '72
- Pay hike: 6.7 to 7.2%. Randy Shoemaker. AF Times 33:1+ Sep 13 '72
- Pay hikes proposed for NAF employees. Bob Towle. AF Times 32:1+ Jan 19 '72
- Pay raise data juggled. Randy Shoemaker. AF Times 33:13 Sep 6 '72
- Pay range: From \$5,047 to \$43,080. Randy Shoemaker. tab AF Times 32:1+ Mar 29 '72
- Personnel budget: Fewer people, higher pay; re-computation in. James D. Hessman. tab Armed Forces J 109:34-35 Mar '72
- Proposed military pay rates. Tables only. AF Times 33:17 Oct 4 '72
- 7.21 percent pay raise OK'd--effective Jan 1. Bob Horowitz. AF Times 32:1+ Jan 5 '72
- 6.4% pay hike asked. Bob Horowitz. tab AF Times 32:1+ Feb 9 '72
- 6.7 percent pay hike seen. Randy Shoemaker. AF Times 33:1+ Aug 23 '72
- 6.69% raise set for Jan 1. Randy Shoemaker. tab AF Times 33:1+ Dec 6 '72
- Study (by the prestigious Brookings Institution) finds pay boosts more than are needed--salary system advocated. AF Times 32:20 Jun 14 '72
- Reserve Forces--Air Force--U.S.
- Reserves pay hike. tab AF Times 32:46 Jan 19 '72
- Reserve Forces--Armed Forces--U.S.
- DOD would let retirees collect Reserve drill pay. Bob Horowitz. AF Times 32:17 Apr 26 '72
- Legal snag holds up RIFed Reserves pay. AF Times 33:8 Aug 30 '72

PEACE

- Last muster for the citizens' Army? LT Philip J. Katauskas. illus US Nav Inst Proc 98:61-67 Feb '72
- Mankind in the world of tomorrow--tomorrow's society. C.F. Freiherr von Weizsaecker. illus NATO's Fifteen Nations 16:93-95+ Dec '71-Jan '72
- Peace programme in action. Vasily Vefremov. illus Soviet Mil Rev No.1:53-55 Jan '72

PEARL HARBOR, 1941

- I remember Pearl Harbor. CAPT Joseph K. Taussig, Jr, Ret. illus US Nav Inst Proc 98:18-24 Dec '72
- Kimmel, Short were not bad guys. (Address, 30th Anniversary Commemoration of Pearl Harbor, Verdugo Roost Dinner, Assoc of Old Crows, Burbank, Calif, Dec 8 1971) Gen Mark E. Bradley, Ret. tab Elect Warfare 4:20-21+ Winter '72
- The ship that sank from fright (at Pearl Harbor). Maurice Featherman. illus US Nav Inst Proc 98:84-86 Dec '72

PENTAGON

- Honors for General Bradley. illus Armed Forces J 109:14-15 Jul '72



PENTAGON - Continued

- Pentagon EM stuck in blue suits. AF Times 32:46 Jan 12 '72
- Security tightened on Pentagon trash. AF Times 33:4 Sep 13 '72
- Security tighter (in Pentagon) after blast. AF Times 32:17 Jun 7 '72

PEOPLE-TO-PEOPLE PROGRAM

- The other Air Force. (Various projects by AF people to aid their communities) Capt Gary A. Guimond. Airman 16:22 May '72

PEPPERS, Jerome G., Jr

- Value management. Maj Jerome G. Peppers, Jr, Ret. AU Rev 23:64-68 Jan-Feb '72

PERFORMANCE REPORTS see Airman Performance Reports; Effectiveness ReportsPERIODICALS

- See also  
Newspapers

United States

- Air University Review awards program. (LtCol Earl W. Renfro, Jr receives annual award for outstanding article in FY 72; other winners announced) AU Rev 23:64 Jul-Aug '72
- DOD magazine empire--a paper tiger? Armed Forces J 110:33-34 Dec '72
- DOD magazine empire: Laird wants to know--how big is it? Elaine E. Robertson. Armed Forces J 109:13 May '72
- DOD magazine empire numbers 366 plus 1036 newsletters--but how much does it cost? Armed Forces J 109:29+ Jul '72

Costs

- Do publications do the job? Ed Gates. AF Times 33:13 Oct 18 '72

History

- Military Review 1922-1972. Col Forrest R. Blackburn. illus Mil Rev 52:52-62 Feb '72

PERMANENT CHANGE OF STATION

- AF to keep returnee pick plan, first term deal. AF Times 32:24 Mar 15 '72
- Airmen in ConUS kick off new job exchange plan. AF Times 32:4 Jan 26 '72
- Base-choice improves--skills to govern returnee match-up. Bruce Callander. AF Times 33:1+ Aug 30 '72
- EM job exchange set. Bruce Callander. AF Times 32:1+ Jan 19 '72
- Gettin' there is gettin' easier. (Nine-month notification of overseas assignment) MSgt L. B. Leonberger. Airman 16:36 May '72
- Humanitarian guidance set. AF Times 32:3 May 31 '72
- Many airmen offer assignment swaps. AF Times 32:4 Feb 2 '72
- One-move rule waived for war-related PCS. AF Times 33:2 Aug 30 '72
- Option rules reach field. (Separation-retirement in lieu of PCS) AF Times 32:19 Apr 12 '72

PERMANENT CHANGE OF STATION - Continued

- O' seas 'stays' pushed. AF Times 33:11 Dec 20 '72
- PCS problem stays--no reduction in moves seen. AF Times 33:18 Nov 22 '72
- Retiring O-6s lose base option--terminal assignments must be in authorized colonel slots. AF Times 33:4 Aug 30 '72
- Rules on PCS eased for enlisted students. AF Times 32:20 Jun 28 '72
- Self-perpetuating PCS irks appropriations. Bob Horowitz. AF Times 33:59 Sep 27 '72
- Some swaps hit by eligibility lack. AF Times 32:3 Apr 26 '72
- Swaps 'business' found--matchup for cash? AF Times 32:8 Mar 15 '72
- Travel 'savings' (assumption) deceptive. Bruce Callander. AF Times 33:13 Oct 11 '72
- Want to PCS? Ask for SEA. Bruce Callander. AF Times 32:1+ Feb 16 '72

PERSHING, John J.

- The battle of the books: Pershing versus March (versus Harbord). Donald Smythe. por Army 22:30-32 Sep '72

PERSIAN GULF

- The bear on the roof--Soviet power encircles Persian Gulf. Lawrence Griswold. illus map Sea Power 15:20-25 Jun '72

PERSONAL AFFAIRS

- See also  
Loans, Personal
- Counseling subjects added (in AFR 211-3). AF Times 32:45 Jul 26 '72
- Flexible family financing. Richard H. Bowers. illus US Nav Inst Proc 98:52-60 Oct '72
- More on personal affairs forms. TIG Brief 24:6 Nov 10 '72
- Personal affairs reg (AFR 211-3) expands counseling. AF Times 32:26 Mar 15 '72
- Personal family contact officer program. TIG Brief 24:17 Oct 13 '72
- Personnel customer service coming Air Force wide. TIG Brief 24:5 Dec 22 '72
- You owe it to yourself: How to get out of the credit hole. Barney Halloran. illus Soldiers 27:10-13 Jul '72

PERSONAL APPEARANCE

- Hair rule eased in Junior ROTC. AF Times 33:19 Sep 27 '72
- Haircut duty trims for SP. AF Times 32:3 Jan 5 '72
- Survey shows Air Force members' views (on discipline, rules and regulations). AF Play Ltr for Comdrs: Sup No. 3:26-29 Mar '72

PERSONAL EQUIPMENT

- See also items by name, e.g.,  
Clothing, Protective      Space Clothing  
Helmets                      Survival Equipment  
Parachutes

PERSONAL EQUIPMENT - Continued

- IR&D (Infantry Research and Development Liaison Office): A customer relations department for Infantrymen. Capt Dan Parker. illus Infantry 62:40-41 Sep-Oct '72
- The light Infantry is too heavy. Col Richard E. Mack. illus Infantry 62:14-15 May-Jun '72
- Marines and mountains. Norman Kingsley. illus MarCor Gaz 56:32-36 Mar '72
- Say again all after "ATC clears." Capt Thomas L. Doane. tabs USA Avn Dig 18:15-17 Feb '72
- Study of the feasibility of using perforated and split ear protectors in aircraft during flight. Vernon C. Bragg and Roy Danford, Jr. illus Aerosp Med 43: 193-196 Feb '72
- Super-search. (Look into the R&D field) illus Interceptor 14:16-17 Oct '72

PERSONAL PROPERTY see Household EffectsPERSONNEL

For strength of the Services see subdivision Statistics under the respective Services, e.g., Air Force--United States--Statistics.

See also

Manpower, Military  
Retention of Military Personnel

Air Force--U.S.

- Air Force appropriations request, FY-73. (Statement to Senate Committee on Appropriations, Feb 16, 1972) Robert C. Seamans, Jr. illus tabs AF Plcy Ltr for Comdrs: Sup No. 4:2-28 Apr '72
- Air Force request for authorizations (FY 1973). (Statement before House Armed Services Committee, March 2, 1972) Gen John D. Ryan. AF Plcy Ltr for Comdrs: Sup No. 5:2-13 May '72
- Air Force system of personnel management. (Address, Arnold Engineering Development Center Dining-In, Arnold AFS, Tenn, April 14, 1972) LtGen Robert J. Dixon. AF Plcy Ltr for Comdrs: Sup No. 7:11-17 Jul '72
- Airman panel suggests 'people program' changes (at AF Career Motivation Conference, Maxwell AFB, Ala, June 5-9, 1972). AF Times 33:55 Aug 23 '72
- CBPOs praise 'one stop' test. AF Times 33:13 Aug 9 '72
- Communicating with the young. Col William R. Edgar. Ret. illus AF Mag 55:52-55 Oct '72
- Defense, AF establish manpower-need formula. Bob Towle. AF Times 33:4 Nov 8 '72
- EM may face more work details. Bob Towle. AF Times 33:1+ Sep 27 '72
- Hearings may spawn changes in (officers and enlisted) personnel. Bob Horowitz. AF Times 32:3 Jan 26 '72
- Managers discuss funding crisis. Bob Towle. AF Times 33:1+ Sep 13 '72
- Officers want tighter trax criteria (at AF Career Motivation Conference, Maxwell AFB, Ala, June 5-9, 1972). AF Times 33:55 Aug 23 '72
- Panels back many efforts (at AF Career Motivation Conference, Maxwell AFB, Ala, June 5-9, 1972). AF Times 33:8 Aug 23 '72

PERSONNEL - ContinuedAir Force--U.S. - Cont'd

- 'People' funds suffer slashes. Bob Towle. AF Times 33:1+ Sep 6 '72
- Personnel chief champions additional benefits for EM. AF Times 32:3 Mar 15 '72
- Personnel Data System-Airmen (PDS-A) accuracy. TIG Brief 24:19 Nov 24 '72
- 'Promises' betrayed? Many charge changes break implied contract. Bruce Callander. AF Times 33:13 Dec 13 '72
- 'Pros' talk shop about motivation (at AF Career Motivation Conference, Maxwell AFB, Ala, June 5-9, 1972). AF Times 33:20 Aug 23 '72
- Travel pay for low EM called 'top priority' item. Interview. Richard J. Borda. AF Times 33:4 Aug 23 '72
- USAF personnel security program. TIG Brief 24: 17-18 Aug 18 '72
- WAF to serve in more jobs. (Address, Pennsylvania State Convention of the Air Force Assoc, Sewickley, June 24, 1972) BrigGen Jeanne M. Holm. AF Plcy Ltr for Comdrs: Sup No. 9:27-32 Sep '72

Armed Forces--Germany  
(Federal Republic)

For the 1980s: A new personnel structure in the Bundeswehr. Earl F. Ziemke. illus Mil Rev 52: 31-39 Sep '72

Armed Forces--U.S.

- A(verage) serviceman: Enlisted, 23, in U.S. AF Times 32:2 Jun 7 '72
- DOD report says spending upped by 'people' costs. AF Times 33:19 Aug 23 '72
- ECM, the 'new breed.' TSgt John J. O'Shaughnessy. Elect Warfare 4:15-16 Spring '72
- Money laws expire in '73. Randy Shoemaker. AF Times 32:1+ Jul 19 '72

Army--U.S.

- The Department of the Army: Why their emphasis is on people. Interview. Robert F. Froehle. illus Govt Exec 4:54-55 Apr '72
- Meeting the challenge of coalition security. LtCols Zeb B. Bradford, Jr and Frederic J. Brown. illus Mil Rev 52:4-19 Jun '72
- Personnel management: Vital function or afterthought? LtCol Earl R. Eichenberger. Army 22:21-23 Sep '72
- Psychological dimensions of Army students attending the U.S. Army War College: An analysis. LtCol Peter B. Petersen. illus tab Parameters 2:60-70 Spring-Summer '72

National Guard--Air Force--U.S.

Manpower troubles face ANG. Paul Collins. AF Times 32:2 Mar 15 '72

Navy--U.S.

The man who gave the world the Z-gram tells about permissiveness in the Navy, why recomp looks dim and what's wrong with Defense budgets. Interview. ADM Elmo R. Zumwalt, Jr. illus AF Times, Family Sup:18-19 Sep 6 '72

PERSONNEL - ContinuedNavy--U.S. - Cont'd

- The Matterhorn affair--recruiting becomes Navy's number one priority. James D. Hessman. illus Sea Power 15:32-35 Jun '72
- The minimal manning module system. LT Richard A. Olsen. illus US Nav Inst Proc 98:114-116 Oct '72
- Of justice, equal opportunity, and discipline. L. Edgar Prina. illus Sea Power 15:30-31 Dec '72
- The spirit of the Navy. RADM R.E. Coontz. illus US Nav Inst Proc 98:83-84 Feb '72

PERSONNEL ADMINISTRATION

- AF captains train at high level. (ASTRA, Air Staff TRAINING program) Armed Forces J 109:8 Jun '72
- AFRes personnel system update set by July '73. AF Times 33:62 Aug 9 '72
- Accuracy of Officers' Personnel Data System. TIG Brief 24:7-8 Feb 25 '72
- The Air Force Civil Engineer and the military statesmanship role. Maj Robert M. Gogal. illus AF Civil Engr 13:17-19 Aug '72
- Air Force system of personnel management. (Address, Arnold Engineering Development Center Dining-In, Arnold AFS, Tenn, April 14, 1972) LtGen Robert J. Dixon. AF Plcy Ltr for Comdrs: Sup No. 7:11-17 Jul '72
- (Army) Officer Personnel Management System (OPMS). Mil Rev 52:100-101 Jul '72
- Bosses concern career panel--airmen-officers eye middlemen (at AF Career Motivation Conference, Maxwell AFB, Ala, June 5-9, 1972). AF Times 33:1+ Aug 23 '72
- CBPOs praise 'one stop' test. AF Times 33:13 Aug 9 '72
- Company level personnel managers: Junior officers. LtCol James R. Bamberg. Infantry 62:32-35 May-Jun '72
- (Customer Service) Centers speed personnel services. Sue Toma. AF Times 32:13 Feb 16 '72
- Down the organization: How to stop overstaffing from stifling people and strangling performance. Col Bruce F. King. illus AU Rev 23:27-33 Jan-Feb '72; Translog 3:17-22 Apr '72
- Effective management requires emphasis on people performance. Harrell B. Altizer. illus Def Mgt J 8:57-59 Jul '72
- Employee motivation. David Sirota. Persp in Def Mgt, pp 47-55, Autumn '72
- The focus in 1972 is on people. LtGen Walter T. Kerwin, Jr. illus Army 22:89-93 Oct '72
- Hire the handicapped. Col John R. Byers. illus Armor 81:26-29 Sep-Oct '72
- Homecoming. (25,000 Army troops processed out of Europe) Pat Thomasson. illus Translog 3:19-23 Mar '72
- Human relations and the military. LtCol David D. Field, Ret. Review 51:41-42+ Jan-Feb '72
- The informal contract (between the organization and its members). LtCols Robert M. Elton and Dandridge M. Malone. illus Army 22:10-14 Sep '72

PERSONNEL ADMINISTRATION - Continued

- Invaluable (expensive) human resources. CAPT Donovan B. Quigley. illus Armed Forces Compt 17:11-14+ Spring '72
- Let's reduce the people problem. TIG Brief 24:1 Oct 27 '72
- Management--creating the environment. Maj Thomas Schwartz. Def Mgt J 8:21-22 Apr '72
- Manager or doer? J.J. Howell. illus AF Compt 6:9-11 Jul '72
- Manpower allocations and personnel utilization. TIG Brief 24:8 Feb 25 '72
- The melody is you. (USAF Advanced Personnel Data System) Capt Gary A. Guimond. illus Airman 16:36-39 Apr '72
- The minimal manning module system. LT Richard A. Olsen. illus US Nav Inst Proc 98:114-116 Oct '72
- The need for innovation. (Address, American Society of Military Comptrollers National Symposium, Bolling AFB, DC, May 17, 1972) RADM J.M. Tierney. illus Armed Forces Compt 17:5-8 Summer '72
- Nine CBPOs to start (customer) service centers. AF Times 32:3 Jan 5 '72
- Ombudsman makes good--portrait of Vice Admiral David H. Bagley. Heather M. David. illus Sea Power 15:32-33 May '72
- Personnel customer service coming Air Force wide. TIG Brief 24:5 Dec 22 '72
- Personnel management: Vital function or afterthought? LtCol Earl R. Eichenberger. Army 22:21-23 Sep '72
- So much to do... so little time. LCDR George E. Brainerd. illus US Nav Inst Proc 98:62-67 Sep '72
- Supervisory technique: A developed talent. BrigGen Stephen M. Mellnik, Ret. illus Infantry 62:18-21 Jan-Feb '72
- TOPLINE--a personnel management plan. (Remarks, Dining In, Goose AB, Labrador, Aug 10, 1971) LtGen Robert J. Dixon. AF Plcy Ltr for Comdrs: Sup No. 1:8-15 Jan '72
- 30 rules for supervisors. AF Plcy Ltr for Comdrs: Sup No. 3:21-26 Mar '72
- 12-hour policy sets maximum for maintenance (men). AF Times 32:22 Jul 12 '72
- A view from the bottom, or how a new AFO looks at the comptroller business. Maj John W. Kinkale. illus AF Compt 6:32-34 Apr '72

PERSONNEL CLASSIFICATIONAir Force--U.S.

- AFSC guarantee plan to grow. AF Times 32:42 Apr 5 '72
- An Air Force professional--the base communications officer. MajGen Lee M. Paschall. illus Signal 26:48-50+ Jan-Feb '72
- Bonus skill changes delayed. AF Times 33:5 Aug 16 '72
- Bright side of skill cuts: Most to collect full VRB bonus. AF Times 33:19 Sep 6 '72
- Details sent to field on six-year re-ups. AF Times 33:10 Oct 25 '72



PERSONNEL CLASSIFICATION - ContinuedAir Force--U.S. - Cont'd

E-5 statistics: A 'fair shake.' AF Times 32:5 Jun 14 '72

EM overages likely, but don't panic--AF. Bruce Callander. AF Times 32:1+ Jun 14 '72

EM sought for crew slots--'Palace Fly' needs volunteers. AF Times 32:6 Jul 19 '72

Engineers needed at U-Tapao (RTAFB, Thailand). AF Times 33:48 Aug 9 '72

Job door widened for WAF. tab AF Times 33:9 Oct 11 '72

Limits set on re-ups--some AFSCs 'full.' Bruce Callander. AF Times 32:1+ Jun 28 '72

List of 'SEA-critical' skills grows longer. tab AF Times 32:8 Feb 2 '72

Many changes made in EM skills. AF Times 32:17 Apr 12 '72

Many skills due to lose bonus. AF Times 33:6 Aug 9 '72

Mixup explained over outs program. AF Times 33:3 Dec 27 '72

Most (career fields) to lose pro pay. AF Times 33:1+ Oct 11 '72

NCOs revise exams. illus AF Times 33:47 Dec 13 '72

New career fields open to WAF. TIG Brief 24:10 Jun 16 '72

New co-pilot AFSC established. AF Times 32:11 Mar 22 '72

Noncoms rewrite airman tests. illus AF Times 32:51 May 31 '72

Noncoms rewrite 140 skill tests. AF Times 32:47 Jan 12 '72

(Officer qualifications in the air traffic control utilization field) Signal 26:118 Jun '72

Over five years 125,000 will retrain. Bruce Callander. AF Times 32:1+ Apr 19 '72

Overhaul set for navigator force. AF Times 33:3 Oct 4 '72

'Palace Care' program (to assist in manning newly-established social actions job positions) scrubbed. AF Times 33:18 Oct 11 '72

Palace Chase AFSCs listed. AF Times 33:22 Sep 20 '72

Pro pay and VRB juggled for 1973--support skills added. Bruce Callander. AF Times 32:1+ Apr 5 '72

Retraining geared to avert surplus. Bruce Callander. AF Times 32:13 Apr 26 '72

Re-up objectives set--45 skills placed on 'surplus' list. AF Times 33:3 Dec 20 '72

SEA-critical skills grow. Bruce Callander. tab AF Times 33:1+ Aug 16 '72

SEA-critical skills grow in new list. AF Times 32:10 May 31 '72

70 (non-rated field-grade officers) slated for SEA involuntary tours. George Foster. AF Times 33:1+ Aug 23 '72

PERSONNEL CLASSIFICATION - ContinuedAir Force--U.S. - Cont'd

Some skills to lose VRB. Bruce Callander. AF Times 32:1+ Jul 19 '72

VRB adds 23 AFSCs. Bruce Callander. AF Times 33:1+ Aug 23 '72

Validity of specialty knowledge tests. Capt Melvin B. Gambrell, Jr. USAF Instrs J 9:59-61 Spring '72

WAF Force due to triple (and more skill specialties to be opened to women). George Foster. AF Times 33:1+ Dec 6 '72

Army--U.S.

Enlisted aviation MOS (Military Occupational Specialty) tests. Capt Robert Dorgan. USA Avn Dig 18:14-15 Jul '72

United States

Federal job classification: How much rigidity can the bureaucracy stand. (Interview with Philip M. Oliver) Samuel Stafford. illus Govt Exec 4:58-59+ Oct '72

Federal Task Force finds achieving job evaluation pay reforms is glacier-like. (Interview with Philip M. Oliver) Samuel Stafford. Govt Exec 4:51-53 Nov '72

PERU

Revolution from within: Changing military perspectives in Peru. (Research paper, College of Naval Command and Staff) Maj James L. Williams. Nav War Col Rev 25:43-60 Nov-Dec '72

Politics and Government

Revolution from within: Changing military perspectives in Peru. (Research paper, College of Naval Command and Staff) Maj James L. Williams. Nav War Col Rev 25:43-60 Nov-Dec '72

PEST CONTROL

Control of insects, rodents, and other pests. TIG Brief 24:10 May 19 '72

Toxicology of dichlorvos at operational aircraft cabin altitudes. P.W. Smith and others. tabs Aerosp Med 43:473-478 May '72

Use and disposal of DDT. TIG Brief 24:20 Dec 22 '72

PETROLEUM

The Navy and the effluent society: How do you clean the world's biggest garbage can? T. Raymond Coleman and Bernadine M. Kopec. illus Sea Power 15:18-21 Sep '72

Navy environmental protection program. CDR Joseph A. D'Emidio. illus Mil Engr 64:402-405 Nov-Dec '72

Oil and hazardous material pollution prevention. TIG Brief 24:11 Feb 25 '72

Oil pollution--carelessness or crime? ENS A.R. Butler. illus US Nav Inst Proc 98:51-57 Dec '72

Oil spill--Coast Guard ADAPTS (Air Delivered Anti-Pollution Transfer System). illus Govt Exec 4:21 Mar '72

Supply and Distribution

The coming energy crisis: A 15-million barrel per day deficit by 1985. Irwin M. Heine. illus tabs Sea Power 15:27-32 Sep '72

PETROLEUM - ContinuedSupply and Distribution - Cont'd

Energy resources--an element of national power.  
Col William B. Haidler. illus AU Rev 23:2-13  
Jan-Feb '72

Fuels management and the base level AFO. Capt  
Charles L. Martin, Jr. illus AF Compt 6:34-35  
Oct '72

The growing importance of oil. Maj John A. Berry.  
illus Mil Rev 52:2-16 Oct '72

Indonesia's Archipelago Doctrine and Japan's jugular.  
CAPT Richard A. Miller. illus map tabs US Nav  
Inst Proc 98:26-33 Oct '72

Modern realities in naval and foreign affairs. CAPT  
Howard C. Bucknell III, Ret. illus maps US Nav  
Inst Proc 98:32-40 Dec '72

Supplying and distributing gas to Air Force instal-  
lations. TIG Brief 24:12 Apr 7 '72

Iran

The view from Iran. LtCol Mason P. Rumney, Ret.  
illus map Mil Rev 52:68-74 Jan '72

Middle East

The growing importance of oil. Maj John A. Berry.  
illus Mil Rev 52:2-16 Oct '72

United States

The growing importance of oil. Maj John A. Berry.  
illus Mil Rev 52:2-16 Oct '72

PETROLEUM INDUSTRY AND TRADE

The growing importance of oil. Maj John A. Berry.  
illus Mil Rev 52:2-16 Oct '72

Great Britain

North Sea oil helicopter support. James D. Ferguson.  
illus Air Pict 34:302-303 Aug '72

Scotland

Sea-bridge: Land-to-rig helicopter link. J. D. Fergu-  
son. illus map Interavia 27:1214-1215 Nov '72

PHILLIPS, Samuel C.

Phillips wins (Gen Thomas D. White) Space Trophy  
(for 1971). AF Times 33:21 Oct 4 '72

PHOTOGRAPHIC RECONNAISSANCE see Reconnaissance, AerialPHOTOGRAPHIC SURVEYING see Surveying by AirPHOTOGRAPHYSee alsoCameras

Naval and maritime prize photography 1972.  
Pictorial. US Nav Inst Proc 98:71-82 Apr '72

(Photomapping the entire sky in the southern hemi-  
sphere) Signal 27:50 Dec '72

PHOTOGRAPHY, AERIAL

The F-104 gun camera revisited; or, Help stamp out  
21.4. LtCol Ross Whistler. illus USAF Ftr Wpns  
Rev, pp 1-4, Fall '72

New sensors for airborne reconnaissance. illus  
Interavia 27:489-493 May '72

PHOTOGRAPHY, AERIAL - Continued

Photogrammetry. CDR Wesley V. Hull. Fld Artillery-  
man No. 49:72-74 Feb '72

The planet mappers. (USAF photomappers) Gene  
Smith. illus AF Mag 55:64-70 Jul '72

Equipment

Developments in reconnaissance equipment--a review  
of some new systems. illus Interavia 27:494-496  
May '72

Photogrammetric instruments for the Army. Capt  
Clifford J. Mugnier. illus Mil Engr 64:39-43  
Jan-Feb '72

PHOTOGRAPHY, MILITARY

Naval and maritime prize photography 1972.  
Pictorial. US Nav Inst Proc 98:71-82 Apr '72

Photogrammetric instruments for the Army. Capt  
Clifford J. Mugnier. illus Mil Engr 64:39-43  
Jan-Feb '72

History

The new order. (U. S. Army Photographic Agency be-  
comes U. S. Army Audio-Visual Agency) Col  
Warren R. Colville. illus Signal 27:33-37 Sep '72

PHOTOGRAPHY, SPACE

(Advances in computer software help "see through"  
dust clouds of Mars.) Signal 26:110 Jun '72

The earth resource rocket (British Skylark). illus  
Spaceflight 14:282-286 Aug '72

Earth resources satellites: Rescuing Earth from  
outer space. Maj W. D. Siuru, Jr and William G.  
Holder. illus tab Spaceflight 14:167-171+ May '72

Earth resources technology satellite--what it will do.  
illus Space World I-10-106:4-14 Oct '72

Gemini spacecraft--how it works: The total story of  
Gemini. illus (Also cutaways) Space World pt 1,  
I-12-108:4-40 Dec '72

Mariner 9 Mars encounter--November 13 (1971).  
illus map tab Space World I-2-98:15-22 Feb '72

Mission to Mars. Space World I-2-98:4-13 Feb '72

Real time image enhancement. illus Space World  
I-8-104:4-7 Aug '72

Small optical telescopes on the moon. E. H. Wells.  
illus (Also cutaway) Spaceflight 14:90-94 Mar '72

Vistas of Mars. Photos only. Spaceflight 14:176-178  
May '72; 14:265-267 Jul '72; 14:384-385 Oct '72

PHYSICAL EXAMINATIONS see Medical ExaminationsPHYSICAL FITNESS

Disability rebuttal cites stress of general's life.  
AF Times 33:2 Aug 23 '72

GMT (General Military Training) plan shuffled, test  
out. George Foster. AF Times 32:1+ May 24 '72

Hazard rate of recurrence in germinal cell tumors  
of the testis. Fred G. Conrad and others. illus  
tabs Aerosp Med 43:893-897 Aug '72

House Appropriations Committee hearings: Briefing-  
NPRM71-31, Medical certification and surveil-  
lance: Air carrier flight crewmembers. P. V.  
Siegel. Aerosp Med 43:1150-1154 Oct '72

PHYSICAL FITNESS - Continued

- Longitudinal study on physical performance of ten pilots over a ten-year period. Sarah A. Nunneley and others. illus tabs Aerosp Med 43:541-544 May '72
- New physical fitness, weight control program (for Marines). MarCor Gaz 56:6 Feb '72
- PF training now essential. MarCor Gaz 56:2 Oct '72
- Periodic physical examination--a large investment with a small return. Arnold N. Lubin and Gerald D. Young, Jr. tabs Aerosp Med 43:1141-1143 Oct '72
- Run for your life. MajGen Orwin C. Talbott. Army 22:43 Sep '72
- Run for your life (in aerobics program, Eielson AFB, Alas). SMSgt Larry L. Mitchell. tabs USAF Instrs J 9:57-62 Winter '71-'72
- Stages of health, strength and courage. (Interview with MajGen N. Koshelev) illus Soviet Mil Rev No. 9:63-65 Sep '72
- Team up for fitness. Dave Clementz. Infantry 62: 42-43 Sep-Oct '72

Study and Teaching

- Combine marksmanship with PT. 1stLt Tom Shreeve. MarCor Gaz 56:49-50 Jul '72

PHYSICALLY HANDICAPPED see HandicappedPHYSICIANS

- (BrigGen Walter) Tkach impressed by Chinese medicine. AF Times 33:10 Sep 20 '72
- Doctor draft ends for this year. AF Times 32:4 Jun 14 '72
- Dual comp waiver asked for physicians. AF Times 32:5 May 24 '72
- Family doctor approach to begin in July (at Homestead AFB, Fla). Paul Collins. AF Times 32:3 Mar 1 '72
- The medical care crisis, medical education, and military health professions of the future. Col Ronald E. Costin. Forum No. 16:60-84 Fall '72

PHYSIOLOGICAL RESEARCH

## See also

- Aviation--Physiological Aspects  
Space Flight--Physiological Aspects

- Bio what? (Biorhythm theory of accident causation) illus TAC Attack 12:16-19 Mar '72
- Combined effects of noise and vibration on mental performance as a function of time of day. Henry C. Sommer and C. Stanley Harris. illus Aerosp Med 43:479-482 May '72
- Detection of gas bubbles in man at decompression. A. Evans and others. illus Aerosp Med 43:1095-1096 Oct '72
- Direction-specific adaptation effects acquired in a slow rotation room. Ashton Graybiel and James Knepton. illus tabs Aerosp Med 43:1179-1189 Nov '72
- Effect of fasting on tolerance to moderate hypoxia. W. G. Hartzell and P. D. Newberry. illus tabs Aerosp Med 43:821-826 Aug '72

PHYSIOLOGICAL RESEARCH - Continued

- Effects of a multi-hour immersion on trained and untrained subjects: I. Renal function and plasma volume. D. Boening and others. illus tab Aerosp Med 43:300-305 Mar '72
- Effects of a multi-hour immersion on trained and untrained subjects: II. Blood protein and electrolyte concentrations. D. Boening and others. illus Aerosp Med 43:415-418 Apr '72
- Effects of hypercapnia and physical deconditioning on musculoskeletal protein in man. James P. Ellis, Jr and others. illus Aerosp Med 43:22-27 Jan '72
- Effects of increased ambient air pressures on standing steadiness in man. J. A. Adolfson and others. illus tabs Aerosp Med 43:520-524 May '72
- Effects of simulated sonic booms on tracking performance and autonomic response. Richard I. Thackray and others. illus tabs Aerosp Med 43:13-21 Jan '72
- Electrophysiological changes in humans during perceptual isolation. E. A. Serafetinides and others. tab Aerosp Med 43:432-434 Apr '72
- Further study of combined heat, noise and vibration stress. W. F. Grether and others. illus tabs Aerosp Med 43:641-645 Jun '72
- Heat strain in hot and humid environments. E. Shvartz and D. Benor. illus tabs Aerosp Med 43:852-855 Aug '72
- Human biomedical responses to 110 through 175 knot (IAS) aerial tow. Donald H. Reid and others. illus tabs Aerosp Med 43:1109-1117 Oct '72
- Microwave cataractogenesis: A critical review of the literature. William C. Milroy and Sol M. Michaelson. Aerosp Med 43:67-75 Jan '72
- Natural acclimatization to work in severe heat. E. Shvartz and others. illus tabs Aerosp Med 43:637-640 Jun '72
- Patients 'dive' for unique cures--hyperbaric chambers succeed in treating 'bends,' gangrene. AF Times 33:59 Dec 13 '72
- Peripheral venous renin activity during 70° tilt and lower body negative pressure. Alfred F. Fasola and B. L. Martz. illus tab Aerosp Med 43:713-715 Jul '72
- Physiologic responses to short duration Gz. George H. Kydd. illus tabs Aerosp Med 43:1014-1019 Sep '72
- The place to be. (Army Research Institute of Environmental Medicine at Natick Laboratories) SP4 Chuck Noland. illus Soldiers 27:42-45 Aug '72
- Production of gaseous nitrogen during human steady state exercise. John H. Cissik and others. illus tabs Aerosp Med 43:1245-1250 Nov '72
- Regional lung function in man during immersion with the head above water. Mans Arborelius, Jr and others. illus tabs Aerosp Med 43:701-707 Jul '72
- Relation of tilt tolerance to aerobic capacity and physical characteristics. E. Shvartz and Naomi Meyerstein. tabs Aerosp Med 43:278-280 Mar '72
- Relationship of sodium deprivation to +Gz acceleration tolerance. Samuel J. Shubrooks, Jr. tabs Aerosp Med 43:954-956 Sep '72



PHYSIOLOGICAL RESEARCH - Continued

Response to daily Lower Body Negative Pressure (LBNP) exposure (-70mm Hg), with emphasis on plasma renin activity, sodium and potassium excretion. David R. Stoop and John P. Hoche. illus Aerosp Med 43:1002-1004 Sep '72

Sweat sensor for qualitative measurements. Joseph A. McClure and others. illus Aerosp Med 43: 1230-1234 Nov '72

Time zone entrainment and flight stressors as interactants. H. B. Hale and others. illus Aerosp Med 43:1089-1094 Oct '72

Vascular headache of acute mountain sickness. Allen B. King and Sumner M. Robinson. illus tabs Aerosp Med 43:849-851 Aug '72

PICKETT, George B., Jr

The future of close combat. MajGen George B. Pickett, Jr. illus Infantry 62:6-10 Sep-Oct '72

Lead, train, administer. MajGen George B. Pickett, Jr. por Mil Rev 52:47-53 Jun '72

Leadership in the 1970's. MajGen George B. Pickett, Jr. illus Army 22:22-28 Mar '72

PICKETT, George E.

Army tactical communications capabilities. MajGen George E. Pickett. illus Signal 26:29-32 Jan-Feb '72

The Army Telecommunications Automation Program (ATCAP). (Address, AFCEA, Washington, June 6, 1972) LtGen George E. Pickett. Signal 26:33-35 Jul-Aug '72

PIGEONS, HOMING see BirdsPILOT ERROR

Aerial delinquents often become daisy pushers. A. V. (Tony) LeVier. MAC Flyer 19:10-12 Dec '72

The brakes of Naval Air. illus Approach 18:6-7 Aug '72

The capability-judgment gap. LtCol Victor J. Ferrari, Jr. (Reprinted from Aerospace Safety, Nov 1968) illus Aerosp Safety 28:9-11 Aug '72

Cerebral volation--or how to avoid the hard things in flight. Maj R. L. Wing. illus MAC Flyer 19:12-15 May '72

Demonstrations of flying skill? Arnold R. Lambert. illus USA Avn Dig 18:42-46 Dec '72

Go know go. (Aircraft takeoff and landing accidents) illus Aerosp Safety 28:2-3 Apr '72

Grouping of the causative factors in investigation of aircraft accidents attributed to pilot errors. N. G. Dudani. Aerosp Med 43:671-674 Jun '72

Human error in the seventies. (Air Force aircraft accidents) Anchar F. Zeller. illus tabs Aerosp Med 43:492-497 May '72

IMC (Instrument Meteorological Condition)--friend or foe? CW3 John L. Coleman. illus USA Avn Dig 18:54-57 Jan '72

Knowledge vs desire. Victor E. Schultze, Jr. illus Approach 18:4-5 Sep '72

Midair collisions. LtCol Carl V. Carter. illus USA Avn Dig 18:50-54 May '72

PILOT ERROR - Continued

No plan, no fuel, no pitch. illus USA Avn Dig 18:44-45 Mar '72

On the need for objectivity. illus Approach 17:20-23 Jan '72

Over-education? (Pilot's failure to stop airplane) illus TAC Attack 12:22-23 Aug '72

Pass around your mistakes. LCDR Jeffrey D. Hartman. illus USA Avn Dig 18:16-17 Apr '72

Pilot error. illus Aerosp Safety 28:2-3 Jul '72

Remember when, or let's not forget the basics. SqLdr Donald Melvin. map Aerosp Safety 28:6-8 Jan '72

Right side up, or upside down? Gene Berta. tabs USA Avn Dig pt 1, 18:32-37 Oct '72; pt 2, 18:30-33 Nov '72; pt 3, 18:30-34 Dec '72

Those other cause factors. illus tab MAC Flyer 19:3-6 Mar '72

The three W's (who, what, where). Gene Berta. illus USA Avn Dig 18:50-51 Aug '72

The unnecessary truth. (Gear up landings) illus Interceptor 14:5-9 Dec '72

PILOTSSee also

Aces  
Astronauts  
Test Pilots

Air Force One's Col Ralph D. Albertazzie: Flying is the tip of the iceberg. illus Govt Exec 4:32 Mar '72

Americans in the Vietnamese Air Force: The "Dirty Thirty." (Adapted from The Air Force in Southeast Asia: Tactical Airlift) Col Ray L. Bowers. illus Aerosp Hist 19:125-131 Sep '72

Analysis of pilot assessment of workload. W. J. Krzanowski and A. N. Nicholson. illus tabs Aerosp Med 43:993-997 Sep '72

Are you a good copilot? illus MAC Flyer 19:20-21 Oct '72

Aural responsivity of a pilot following endolymphatic shunt surgery. J. Robert Dille and others. illus tabs Aerosp Med 43:435-438 Apr '72

Aviator performance and the use of hypnotic drugs. C. R. Harper and G. J. Kidera. Aerosp Med 43:197-199 Feb '72

Being versatile--a must for pilots. TIG Brief 24:1 Sep 1 '72; Comment. AF Times 33:10 Sep 6 '72

"Can do" can do you in--management and command responsibility for operational pilot fatigue. CDR J. E. Garlitz. (Adapted from Aerospace Safety, June 1971) illus Approach 17:18-22 May '72

Chances at command greatest for pilots. tab AF Times 33:10 Dec 6 '72

The changing face of TAC. illus TAC Attack 12:24-26 Mar '72

Computer analysis of eye movement patterns during visual search. Mark Troy and others. illus tab Aerosp Med 43:390-394 Apr '72

DOD tightens flying rules. Bruce Callander. AF Times 32:1+ Apr 26 '72

## PILOTS - Continued

- Diagnosis: Warrior syndrome. Col Noah C. New. MarCor Gaz 56:58-60 May '72
- Distaff pilots? Why not, Laird asks. AF Times 32:3 Apr 12 '72
- Drusen of the optic disc with visual field defect and Marcus Gunn pupillary phenomenon. (Aeromedical consultation service case report) William E. Barry and Thomas J. Tredici. illus Aerosp Med 43:203-206 Feb '72
- Effect of hypoxia on aircraft pilot performance. Robert E. Gold and Linton L. Kulak. illus tabs Aerosp Med 43:180-183 Feb '72
- Effects of different alcohol dosages and display illumination on tracking performance during vestibular stimulation. Richard D. Gilson and others. illus tabs Aerosp Med 43:656-660 Jun '72
- Flight \$ struggle renewed. Bruce Callander. AF Times 33:1+ Sep 13 '72
- Flight pay. TIG Brief 24:3-4 Jun 30 '72
- Fly pay answers hunted. AF Times 33:8 Oct 25 '72
- Fly pay denials loom. Bruce Callander. AF Times 33:1+ Sep 27 '72
- Fly pay plan due by June. Bruce Callander. AF Times 33:1+ Oct 18 '72
- Flying curbs hit services. AF Times 32:1+ Mar 15 '72
- From bottle to throttle. Capt Nathaniel E. Villaire. illus TAC Attack 12:12-13 Jul '72
- "Hey tower, haven't you got my clearance yet?" Col Robert E. Darlington. illus TAC Attack 12:12-13 May '72; Adaptation, Approach 18:14-15 Dec '72
- Idiopathic subvalvular aortic stenosis: A case report in a pilot. H. Spencer Turner and others. illus tabs Aerosp Med 43:200-203 Feb '72
- Interceptor interview: A fighter pilot (CDR Reginald Sinclair). illus tab Interceptor 14:5-11 Aug '72
- Is your aircraft mission ready? Capt Edwin M. Savacool. illus USA Avn Dig 18:12-13 Oct '72
- Lady killers--one squadron's adventure with two WAF fighter pilots. illus Interceptor 14:12-16 Jul '72
- Longitudinal study on physical performance of ten pilots over a ten-year period. Sarah A. Nunneley and others. illus tabs Aerosp Med 43:541-544 May '72
- More SEA returns loom. AF Times 32:3 Jun 7 '72
- Navy gets female fliers in '75. AF Times 33:6 Nov 22 '72
- New co-pilot AFSC established. AF Times 32:11 Mar 22 '72
- Non-flying ratings: New approach. Bruce Callander. AF Times 32:13 Jun 14 '72
- Oh say can you see? (Visual acuity of pilots) LtCol Russell B. Rayman. illus Aerosp Safety 28:16-17 Mar '72
- Pilot incapacitation: An expression of convergent factors. P. Bartek and J. G. Gaume. illus tab Aerosp Med 43:974-977 Sep '72
- Pilots vs navigators: Roles won't change. Bruce Callander. AF Times 33:13 Nov 1 '72

## PILOTS - Continued

- Proficiency flying cutback protested. AF Times 32:8 Jan 5 '72
- Responsibility--pilot's or controller's. SMSgt George V. Strickland. Aerosp Safety 28:16-17 Aug '72
- Services asking Congress to ease flight-time bans. AF Times 32:11 Feb 9 '72
- Ten minutes to live--or how to stay proficient even tho attached. LtCol Richard L. Anderson, Ret. illus MAC Flyer 19:26-27 Sep '72
- Tough rules shaping up on pro flying. Bruce Callander. AF Times 32:1+ Jun 7 '72
- 2,200 to leave flying jobs--put in rated supplement. AF Times 32:3 Apr 19 '72
- What does it take to fly the mission. Capt Joseph R. Davis. Combat Crew 23:2-3 Sep '72

Education and TrainingSee also

## Instructor Pilots

- Aerial combat tactics. (Interview with Maj Ed Woelfel and Larry Haight) illus Interceptor 14:5-11 May '72
- California Psychological Inventory as a predictor of success in the naval flight program. Steven F. Bucky and Samuel L. Ridley. tab Aerosp Med 43:971-973 Sep '72
- The capability-judgment gap. LtCol Victor J. Ferrari, Jr. (Reprinted from Aerospace Safety, Nov 1968) illus Aerosp Safety 28:9-11 Aug '72
- Combat pilots train in Brooks (AFB, Tex) centrifuge. AF Times 32:36 Feb 16 '72
- Elmendorf's F-4 simulator provides real feel. Sgt Steve Gordenier. AF Times 32:25 Feb 16 '72
- Flight-ability screening to end as part of UPT. AF Times 32:3 Jun 28 '72
- Improvements begun in flight instruction. AF Times 32:3 May 3 '72
- Instructor of the young (pilots). Capt Y. Smirnov. Soviet Mil Rev No. 4:34-35 Apr '72
- Instrument flight. MajGen A. Karikh. illus Soviet Mil Rev No. 3:23-25 Mar '72
- Interception mission. LtCol V. Belyaev. illus Soviet Mil Rev No. 6:20-22 Jun '72
- The Israeli Air Force. Martin J. Miller, Jr. illus tabs Ordnance 57:124-129 Sep-Oct '72
- Low level (navigation) proficiency. Capt Carl A. Meyer. illus USA Avn Dig 18:2-5 Apr '72
- Military pilot training--time for improvement. CDR W. A. Speer, Ret and LtCol J. B. Kusewitt, Ret. illus US Nav Inst Proc 98:31-36 Mar '72
- The (mishap) crack in our mirror (of performance). Ted Kontos. illus USA Avn Dig 18:60-63 Jan '72
- NCLT (Night Carrier Landing Trainer)--a complete approach. LCDR J. R. McDaniel. illus Approach 17:16-22 Feb '72
- Pilot output to drop in FY 73--no cut in UPT bases. tab AF Times 32:43 Jul 12 '72
- Prediction of pilot performance during initial carrier landing qualification. C. A. Brictson and others. illus tabs Aerosp Med 43:483-487 May '72

PILOTS - ContinuedEducation and Training - Cont'd

'Pro' flying changes eyed under congressional order.  
AF Times 32:20 Jan 19 '72

Realization of a dream. (Naval Test Pilot School,  
Patuxent River, Md) CW2 Robert Browning. illus  
tab USA Avn Dig 18:20-21 Nov '72

Simulator to teach formation flying. AF Times 32:61  
Mar 8 '72

Sixty years of flying history. (Central Flying School)  
Air Commodore F.S. Hazlewood. Royal Air Forces  
Qtr 12:31-35 Spring '72

They're in the Army now. (AF helicopter pilots train  
at Fort Rucker, Ala) LtCol Robert D. Brubaker.  
illus Airman 16:14-16 Nov '72

Turbine trainers. Capt John W. Lahey. illus USA  
Avn Dig 18:5 Sep '72

Updating the flight excusal program. Col William R.  
Ponder. USA Avn Dig 18:8-9 Mar '72

Costs

ATC: Multibillion dollar 'classroom.' AF Times  
32:13 Apr 26 '72

History

(Count Carl Gustav) Von Rosen and the mini-  
warplanes. Mauno Salo. illus Am Avn Hist Soc J  
17:99-102 Summer '72

Statistics

Pilot output to drop in FY 73--no cut in UPT bases.  
tab AF Times 32:43 Jul 12 '72

PILOTS, CIVIL

Intoxicating liquor and the general aviation pilot in  
1971. Leonard C. Ryan and Stanley R. Mohler.  
illus tabs Aerosp Med 43:1024-1026 Sep '72

Medical factors in unlimited class air racing  
accidents. Richard G. Snyder and Audie W. Davis,  
Jr. illus Aerosp Med 43:512-519 May '72

Education and Training

Civilian pilot training (authorized for Marine Corps  
Platoon Leaders Class). MarCor Gaz 56:4 Feb '72

History

The flying pioneers: William C. Diehl, pioneer air-  
plane builder, pilot, instructor. Harold E.  
Morehouse. illus Am Avn Hist Soc J 17:28-29  
Spring '72

PILOTS, COMMERCIAL

Airline pilot incapacitation in flight. R.C. Leighton-  
White. Aerosp Med 43:661-664 Jun '72

Postexercise electrocardiograms, coronary heart  
disease, and airline pilots. Glen E. Garrison and  
Warren H. Gullen. illus Aerosp Med 43:86-91  
Jan '72

PINE TREE EARLY WARNING LINE see Distant Early  
Warning Systems

PIPELINES see Petroleum--Supply and Distribution

PIRNIE, Alexander

Congressman Alexander PIRNIE honored as the  
"savior of the Coast Guard Reserve." por Officer  
48:10 Jan '72

PISTOLS

Modern automatic pistols. Douglas M. Simmons, Jr.  
illus Ordnance 56:493-495 May-Jun '72

PLANETSSee also

Extraterrestrial Life

also planets by name, e.g.,

Earth (Planet)

Jupiter (Planet)

Mars (Planet)

Venus (Planet)

Astrogenic environments: The effect of stellar spec-  
tral classes on the evolutionary pace of life.  
Krafft A. Ehricke. illus tabs Spaceflight 14:2-14  
Jan '72

Water on distant planets. Vladimir Derpgolts and  
Gennady Katterfeld. Space World I-8-104:43-45  
Aug '72

PLANNING-PROGRAMMING-BUDGETING SYSTEMSee also

Economic Analysis

The Department of the Navy and the DOD Planning,  
Programming, and Budgeting System (PPBS).  
(Adapted from lecture, Naval War College) CAPT  
Charles F. Rushing. illus Nav War Col Rev 25:  
71-82 Sep-Oct '72

Developing resource management systems for Asian  
defense. Albert J. Martin. illus Armed Forces  
Compt 17:8-9+ Spring '72

Of horses and horseshoe nails--on the balance of  
forces and materiel support. LtCol Edward  
Stellini. illus AU Rev 23:26-39 Mar-Apr '72

PPBS: Yesterday, today and tomorrow. (Adapted  
from address, American Society of Military Comp-  
trollers National Symposium, Bolling AFB, DC,  
May 17, 1972) John E. Dawson. illus Armed Forces  
Comp 17:15-23 Summer '72

PLASTIC MATERIALS

Plastic wrapped roads. S.L. Webster. illus Mil  
Engr 64:191-193 May-Jun '72

POLAR RESEARCH see Antarctic Research; Arctic  
Research

POLICE

Army Guardsmen in blue coats. Maj Thomas B. Gor-  
don. illus Natl Guardsman 26:26-28 Mar '72

Joint police unit 'patrols' NY. AF Times 32:54  
Jun 7 '72

(LEAA) Govt Exec pt 1, Law Enforcement Institute  
shifts priorities. 4:46-47; pt 2, Law Enforcement  
Standards Laboratory putting brakes on prolifer-  
ating equipment. 4:47-49 Jul '72

POLITICAL WARFARE see Cold War; War--Political  
Aspects

POLITICSSee also

International Politics

War--Political Aspects

also subdivision Politics and Government under  
specific countries

Challenge likely on political rules. Randy Shoemaker.  
AF Times 33:3 Aug 16 '72



POLITICS - Continued

- Government & the Armed Forces with some reflections on Northern Ireland. WgComdr Roger F. Pemberton. Royal Air Forces Qtr 11:287-290 Winter '71
- A POW wife in politics--how much company does she have? Lee Ewing. illus AF Times, Family sup: 10-11 Sep 6 '72
- Political activity by Air Force members. Contact 26: 16-17 Jul-Aug '72
- Political limitations of military members and federal employees. TIG Brief 24:9-10 Oct 13 '72
- Political taboos--time to change? Bruce Callander. AF Times 33:13 Aug 23 '72
- So you want to be in politics--watch it! (DOD policies on political activity) Berl Brechner. AF Times, Family sup:21 Jun 7 '72
- Where the candidates stand on defense. Claude Witze. illus AF Mag 55:50-51 Oct '72

Study and Teaching

- Political education. D.B.Heater. Royal Air Forces Qtr 12:55-58 Spring '72

POLK, James H.

- We need a new tank. Gen James H. Polk, Ret. por Army 22:8-14 Jun '72; Armor 81:14-21 Jul-Aug '72

POLLUTIONSee also

Environment

- Army Munitions Command attacks in-house pollution. MajGen Erwin M. Graham, Jr. illus Def Mgt J 8:60-63 Apr '72
- Arnold Center develops mobile pollution detector. AF Times 32:38 Jun 28 '72
- Arnold (Engineering Development Center) checks pollution. AF Times 32:43 Jul 26 '72
- Buses--steam power, low pollution. illus Govt Exec 4:15 Jan '72
- Changing philosophy in anti-pollution campaign. Samuel Stafford. illus Govt Exec 4:18+ Aug '72
- Coast Guard anti-pollution engineering. CAPT Robert D. Parkhurst. illus Mil Engr 64:309-311 Sep-Oct '72
- Environment conference. (2d Annual Conference on Pollution Control in the Marine Industries, Washington, 1972) illus Govt Exec 4:31 Jun '72
- Environmental protection. TIG Brief 24:17 Jul 14 '72
- Environmental protection check list for the commander. TIG Brief 24:21-22 Nov 10 '72
- Foreign cars face clean air controls. AF Times 32:40 Jul 26 '72
- Identification of Air Force fish kills. Col Walter W. Melvin, Jr and 1stLt Neil J. Lamb. illus AF Civil Engr 13:27-29 Nov '72
- McGuire (AFB, NJ) pollution alleged. AF Times 32:15 Jan 5 '72
- The Navy and the effluent society: How do you clean the world's biggest garbage can? T. Raymond Coleman and Bernadine M. Kopec. illus Sea Power 15:18-21 Sep '72

POLLUTION - Continued

- Navy environmental protection program. CDR Joseph A. D'Emidio. illus Mil Engr 64:402-405 Nov-Dec '72
- Oil and hazardous material pollution prevention. TIG Brief 24:11 Feb 25 '72
- Oil pollution--carelessness or crime? ENS A.R. Butler. illus US Nav Inst Proc 98:51-57 Dec '72
- Oil spill--Coast Guard ADAPTS (Air Delivered Anti-Pollution Transfer System). illus Govt Exec 4:21 Mar '72
- Pollution abatement in Aerospace Defense Command. Loy A. Callen and Ervin J. Bedker. illus AF Civil Engr 13:24-25 May '72
- Pollution control pushed (in new AFR 9-1). AF Times 32:6 Mar 15 '72
- Raw-water quality. Maj Robert W. Weigand. tab Mil Engr 64:25-27 Jan-Feb '72
- Sampling of air pollution sources at bases. Maj Ronald D. Burnett. illus tab AF Civil Engr 13: 22-24 Nov '72
- Thermal pollution prediction. Capt Joseph R. Calek. Mil Engr 64:119 Mar-Apr '72
- Water conservation. AF Plcy Ltr for Comdrs: Sup No. 12:31-32 Dec '72

Laws and Regulations

- Changing philosophy in anti-pollution campaign. Samuel Stafford. illus Govt Exec 4:18+ Aug '72
- Environmental law. TIG Brief 24:1-2 Feb 11 '72
- Environmental legislation and the Air Force. (Remarks, 3d Annual Symposium on Environmental Pollution, American Ordnance Assoc Meeting, Fort McNair, Washington, May 17, 1972) Col Cliff M. Whitehead. AF Plcy Ltr for Comdrs: Sup No. 7:29-32 Jul '72

POLYGRAPH see Lie DetectorsPORTS see HarborsPORTUGALForeign RelationsMozambique

- Psychological warfare in North Mozambique. P.K. Huibregtse. NATO's Fifteen Nations 17:28-30 Apr-May '72

POST EXCHANGES see ExchangesPOSTAGE STAMPS

- Help stamp out fighters! LtCol Rezk M. Mohamed. illus USAF Ftr Wpns Rev, pp 8-9, Spring '72

POSTAL SERVICE

- Command responsibilities in the use of the indicia. TIG Brief 24:1 Jul 28 '72
- Contraband detector shipped to SEA. AF Times 32:38 Feb 23 '72
- Inadequate packaging of registered mail. TIG Brief 24:14 Jan 28 '72
- Marijuana by mail. Ted R. Sturm. Airman 16:35-36 Mar '72

POSTAL SERVICE - Continued

Postal construction and the price of postage stamps. BrigGen George A. Rebh. illus map Mil Engr 64: 262-265 Jul-Aug '72

Postal Service looks to future in Cincinnati. (Interview with Pat Hanes) John Wilpers. illus Govt Exec 4:61-63 Jul '72

Preventing shipment of contraband and drugs in the mails. TIG Brief 24:2 May 19 '72

Registered mail restrictions. TIG Brief 24:14 Mar 10 '72

Senate rejects free o'seas mail. AF Times 32:6 Jul 5 '72

Service treats retirees best. Bob Horowitz. AF Times 33:5 Aug 30 '72

Space-A parcel size increased. AF Times 33:8 Oct 11 '72

U.S. Postal Service transportation procurement. Frederick E. Batrus. illus tab Def Trans J 28: 50-55 Mar-Apr '72

Costs

Postal construction and the price of postage stamps. BrigGen George A. Rebh. illus map Mil Engr 64: 262-265 Jul-Aug '72

Equipment

Postal Service looks to future in Cincinnati. (Interview with Pat Hanes) John Wilpers. illus Govt Exec 4:61-63 Jul '72

POWER PLANTS see Nuclear Power Plants; Tanks, Military--Power Plants

POWER RESOURCES

The coming energy crisis: A 15-million barrel per day deficit by 1985. Irwin M. Heine. illus tabs Sea Power 15:27-32 Sep '72

Energy policy and the public. Frederick H. Warren. tab Mil Engr 64:239-241 Jul-Aug '72

Energy resources--an element of national power. Col William B. Haidler. illus AU Rev 23:2-13 Jan-Feb '72

Gasification--new fuels source? Interview. Jennings Randolph. Govt Exec 4:16 Nov '72

The liquid natural gas tanker--seagoing solution to the U.S. fuel crisis. Gerald P. Yoest. illus Def Trans J 28:46-48 Jul-Aug '72

POWER SOURCES see

Electric Power	Power Resources
Generators, Electric	Solar Energy
Nuclear Power Plants	Space Vehicles--Power Supply

PRAYER AND PRAYERS

POW/MIA prayer. MarCor Gaz 56:6 May '72

PREFLIGHT INSPECTIONS

McNair versus the bull. LtCol Carl H. McNair, Jr. illus USA Avn Dig 18:2-5+ Feb '72

PREJUDICES, RACIAL see Race RelationsPREPARATORY SCHOOLS

MTI (Military Training Instructor) duties and responsibilities--USAF Preparatory School. SMSgt Dwight W. Anderson. illus USAF Instrs J 9:4-12 Winter '71-'72

PREPAREDNESSSee also

Air Defenses  
Civil Defense  
Defenses

(Carl) Albert emphasizes duty of Americans to defend nation (in accepting Minute Man Award at ROA Banquet, ROA Mid-Winter Meeting, Feb 25, 1972). illus Officer 48:6-8 Apr '72

For the common defense. Louis Polk. Ordnance 56:376-378 Mar-Apr '72

Industrial preparedness. Col Christopher S. Maggio. illus Parameters 2:52-59 Spring-Summer '72

Kimmel, Short were not bad guys. (Address, 30th Anniversary Commemoration of Pearl Harbor, Verdugo Roost Dinner, Assoc of Old Crows, Burbank, Calif, Dec 8 1971) Gen Mark E. Bradley, Ret. tab Elect Warfare 4:20-21+ Winter '72

Lessons in preparedness. VADM H. G. Rickover. Ordnance 56:288-291 Jan-Feb '72

Military preparedness--a lesson from history. LtGen Harry E. Goldsworthy. illus Review 51:11-12 Jan-Feb '72

Priorities and allocations in industrial preparedness. Anthony A. Bertsch. illus Def Mgt J 8:46-49+ Oct '72

Role of OEP (Office of Emergency Preparedness) in mobilization planning. George A. Lincoln. illus Def Mgt J 8:41-45+ Oct '72

Strategic preparedness. Gen Bruce K. Holloway, Ret. illus Ordnance 57:48-50 Jul-Aug '72

PRESIDENTS--U.S.

Air Force One's Col Ralph D. Albertazzie: Flying is the tip of the iceberg. illus Govt Exec 4:32 Mar '72

Congress and presidential conflict: Foreign policy and NATO. Stanley L. Harrison. NATO's Fifteen Nations 17:83-87 Jun-Jul '72

Congress and the President: The current struggle to control national commitments and the war power. William B. Grant. Forum No.13:1-25 Fall '71

Congress in conflict--enlarging its role in defense and foreign policy. Stanley L. Harrison. illus Mil Rev 52:73-84 Jul '72

The President and the military. Morton H. Halperin. (Reprinted from Foreign Affairs, Jan 1972) illus Mil Rev 52:50-61 Apr '72

The President versus Congress on warmaking authority. Maj Jeffrey L. Scribner. illus Mil Rev 52:87-96 Apr '72

The President's plane: 'Pampered' jet flies to Moscow. illus AF Times 32:34 Jun 14 '72

The soldiers who were President. Barney Halloran. illus tab Soldiers 27:5-12 Nov '72

PRESSURE PATTERN FLIGHT see Navigation, Air

PRESSURE SUITS

Apollo lunar spacecraft--how it works. The total story of Apollo. illus (Also cutaways) Space World pt 1, I-4-100:4-60 Apr '72; pt 2, I-5-101:4-58 May '72; pt 3, I-6-102:4-59 Jun '72

That extra margin (anti-G suit). illus Approach 17: 10-13 Mar '72

PRESTIGE IN MILITARY SERVICE

The commander's prestige. (Interview with 4 Russian officers) LtCol G. Timokhin. Soviet Mil Rev No. 10: 38-39 Oct '72

Last muster for the citizens' Army? LT Philip J. Katauskas. illus US Nav Inst Proc 98:61-67 Feb '72

A message for military leaders. Gen Bruce K. Holloway. illus Combat Crew 23:4-6 Jan '72

Some civilian thoughts on the Navy. (Prize Essay, 1972; 2d Honorable Mention) John C. Seymour. illus US Nav Inst Proc 98:18-23 Sep '72

PRINCIPLES OF WAR see Military Art and SciencePRISONERS AND PRISONS

Dulag Luft: The Third Reich's prison camp for airmen. Edited by LtCol Philip M. Flammer from an anonymous manuscript. illus tab Aerosp Hist 19: 58-62 Jun '72

JAG head (MajGen James S. Cheney) orders reduced pre-trial confinement use. AF Times 32:3 May 17 '72

Making men of misfits (at Lowry AFB, Colo). (Adapted from Parade Magazine, May 7, 1972) TIG Brief 24:2 Jul 14 '72

Prisoners as soldiers: The German 999th Penal Division. Charles Burdick. Army Qtr 102:65-69 Oct '71

(3320th Retraining) Gp handles 10,360 convicts--20 years of rehabilitation. AF Times 32:33 Mar 1 '72

PRISONERS OF WAR

See also  
Korean War, 1950-1953--Prisoners of War  
Vietnamese Conflict, 1957--Prisoners of War  
World War II--Prisoners of War

PW's as war criminals. LtCol Joseph B. Kelly. Ret. illus Mil Rev 52:91-96 Jan '72

Code of Conduct

Questions facing the Code of Conduct. LtCol Charles E. Marean. illus MarCor Gaz 56:36-43 Jul '72

PROBLEM SOLVING

A revolution in organizational concepts. Russell L. Ackoff. illus Nav War Col Rev 24:4-14 Jan '72

PROCUREMENT

See also  
Weapons Procurement

Air Force--U.S.

Advance procurement planning. Maj Ora L. Simpson, Jr. illus Review 51:32+ Mar-Apr '72

Air Force and the minority enterprise program. Donald E. Rellins. illus Review 52:35-36+ Jul-Aug '72

PROCUREMENT - ContinuedAir Force--U.S. - Cont'd

Automated procurement. TIG Brief 24:14 Jun 16 '72

"Everything" commanders should know about procurement, but are reluctant to ask. TIG Brief 24:10 Sep 15 '72

MINI-MAXID (Minimize Individually Negotiated Instruments-MAXimize Indefinite Delivery contracts) is here to stay. TIG Brief 24:12 May 5 '72

New EW procurement programs. Editorial. Elect Warfare 4:2 Summer '72

PACAF rec(reation) funders get 'pro' (procurement) assistance. AF Times 33:23 Aug 23 '72

Procurement activities. TIG Brief 24:1 Apr 21 '72

Propellants, pressurants, and related items furnished by contractors. TIG Brief 24:19 Apr 7 '72

Unauthorized procurement. TIG Brief 24:18 Feb 11 '72

Armed Forces--U.S.

Authority and responsibility for acquisition of materiel for the Armed Forces. Charts only. Ordnance 56:483-492 May-Jun '72

Status of ASPR (Armed Services Procurement Regulation) Committee cases (revised as of Sep 29, 1971). Def Ind Bul 8:36-39 Winter '72

Army--U.S.

Should cost technique--budget squeeze necessitates stretching the DOD dollar. 1stLt Robert Seiwert. illus Def Ind Bul 8:21-23+ Winter '72

Defense Dept--U.S.

DCAS "sells" and "services" value engineering program. Charles S. Hotchkiss and Salvatore Castiglioni. illus Def Ind Bul 8:24-26 Winter '72

Defense procurement: "Directive 5000.1 is loaded." Barry J. Shillito. Govt Exec 4:58+ Apr '72

House panel vetoes proposed sealift (procurement) shift. Armed Forces J 109:12-13 Jan '72

Procurement: The new wisdom. (Adapted from address, Worldwide AF Procurement Conference, March 1972) Herbert Roback. illus Govt Exec 4:14-15+ Jun '72

Value engineering: An approach to lowest cost, improved long-term profit. Bernard H. Hewitt. illus Def Ind Bul 8:27-28 Winter '72

Navy--U.S.

New EW procurement programs. Editorial. Elect Warfare 4:2 Summer '72

United States

Govt Procurement Commission studies in, but Congress won't get findings until end of '72. Armed Forces J 109:12 May '72

How government could get more out of its computer suppliers. (Interview with Christy A. Christopher) C.W. Borklund. chart Govt Exec 4:58-59 Jul '72

PRODUCTION see Industry



PROFESSIONAL MILITARY EDUCATION see Staff Colleges

PROFESSIONALISM

See also

Military Service as a Profession

Professional opportunities on the road ahead. Carl Henn. illus Log Spectrum 6:2-4 Summer '72

Professionalism for the engineer. illus AF Civil Engr 13: back cover Nov '72

Ten characteristics of a professional comptroller. Maj John J. Williams. illus Armed Forces Compt 17:28-29+ Fall '72

PROFICIENCY PAY

Career men lose in incentive shift. Bruce Callander. AF Times 33:1+ Sep 6 '72

Cuts to hit some pro skills. Bruce Callander. AF Times 33:1+ Oct 4 '72

1573 more E-3s to get super pay. AF Times 33:2 Nov 1 '72

Hikes, super pay merged--point system held off at least another year. Bruce Callander. AF Times 32:1+ Jan 12 '72

Hikes, super pay stay linked. AF Times 33:5 Oct 18 '72

Most (career fields) to lose pro pay. AF Times 33:1+ Oct 11 '72

NCOs selected for super pay. AF Times 33:10+ Dec 27 '72

New reg (AFR 39-45) simplifies super-pay rules. AF Times 32:10 Jan 26 '72

101 (E-3's) to get pro pay. AF Times 32:10 May 10 '72

Pro pay and VRB juggled for 1973--support skills added. Bruce Callander. AF Times 32:1+ Apr 5 '72

Pro pay: Gains, losses. AF Times 33:5 Oct 18 '72

Pro pay gives way to quick-cash plan. Bruce Callander. AF Times 33:13 Oct 18 '72

Pro pay, promotions not identical. AF Times 33:10 Dec 20 '72

Pro pay to 'end' slowly. AF Times 32:4 Apr 12 '72

17,700 to get super pay beginning Sep 1. AF Times 33:22 Aug 30 '72

Some SEA TDYers due pro pay break. AF Times 32:13 Jul 12 '72

Special pay lists expected soon. AF Times 32:3 Mar 22 '72

Super pay bars relaxed--E-3s affected. AF Times 33:8 Dec 13 '72

Super pay list to name 65 now, 200 eventually. AF Times 32:6 Apr 26 '72

Super pay survives, despite speculation. AF Times 32:1+ May 24 '72

13,472 E-4s to get super pay--most just selected for E-5. AF Times 32:10 Jul 5 '72

Unlike Army, special pays to stay same. AF Times 32:15 Feb 2 '72

PROGRAM PLANNING

Comment on the value of time and its effect on defense systems acquisition. John S. Baumgartner. illus Def Mgt J 8:53-56 Jul '72

Communications systems planning. Preston E. Law. tab Signal 27:22-26 Dec '72

Force costing in a computer environment. Capt Sara L. Harvey. illus Armed Forces Compt 17:8-13+ Fall '72

The middle manager's role in the BCE (Base Civil Engineering) organization. Col Frank G. Barnes. illus AF Civil Engr 13:6-8 May '72

Modeling Air Force tactical communications. Emile A. Babineau. illus Signal 27:8-11 Dec '72

PPBS: Yesterday, today and tomorrow. (Adapted from address, American Society of Military Comptrollers National Symposium, Bolling AFB, DC, May 17, 1972) John E. Dawson. illus Armed Forces Compt 17:15-23 Summer '72

Paths to progress. LtCol Sheldon J. Lustig and A.M. Crawford. illus AF Civil Engr 13:9-11 May '72

Program Management Evaluations (PME). TIG Brief 24:6 Jun 30 '72

R&D laboratories make progress despite regulations, risk and embarrassment. Bernard Smith. illus Def Mgt J 8:29-33+ Jul '72

Simplified plans and specs. Maj Arthur P. Hahn. illus tab AF Civil Engr 13:11-13 Feb '72

This business of project management. CAPT Frank H. Featherston. illus US Nav Inst Proc 98:22-29 Jan '72

Workability of program management. MajGen Paul A. Feyereisen, Ret. Def Mgt J 8:23-26 Apr '72

Study and Teaching

Educating the DOD program manager--vital function of Defense Systems Management School. BrigGen Winfield S. Scott III. tab Def Mgt J 8:27-31 Apr '72

PROGRAMMED LEARNING

(Army's Computer Assisted Instruction--CAI) Signal 27:62 Nov '72

Essential subjects training. MGySgt R. J. Reynolds and GySgt R. R. Sorensen. illus MarCor Gaz 56: 23-29 Jul '72

PROJECT

See also

Space Project

CHAP

CHAP aids handicapped youths. Paul Collins. AF Times 32:39 Mar 29 '72

CHAP school (in Bellevue, Nebr)--a community lends a hand. illus AF Mag 55:23 Oct '72

Igloo White

Developments in U.S. military reconnaissance. illus Interavia 27:373-375 Apr '72

PRIME

PRIME \$. Maj Michael H. Conner and Edwin A. Bump. illus MarCor Gaz 56:26-30 Feb '72

PROJECT - ContinuedPRIME - Cont'd

Thoughts on comptrollership. (From remarks, American Society of Military Comptrollers West Coast Regional Symposium, San Diego, Calif, Feb 10-11, 1972) BrigGen E. S. Wittbrodt, Ret. illus Armed Forces Compt 17:28-33 Spring '72

Palace Blueprint

A progress report on AFCE management. A.M. Crawford. illus AF Civil Engr 13:2-5 Feb '72

Palace Chase

ARPC recruiting command post in full swing (to handle Palace Chase). Officer 48:24 Jun '72

Departure of airmen spurred. AF Times 32:3 Apr 12 '72

EM Palace Chase bids suspended. AF Times 33:8 Dec 20 '72

59 units open to Palace Chase. AF Times 33:23 Sep 13 '72

Guard, Reserve bids broadened in 'Chase.' AF Times 33:10 Aug 30 '72

Guard strength picture brightens but Army Guard still short of goal. Natl Guardsman 26:10 Jun '72

Guard technician slots open. AF Times 33:5 Aug 16 '72

Leaving early can cost cash--bonus recoupment possible. AF Times 33:10 Nov 1 '72

More EM get early release. AF Times 32:3 May 10 '72

New requirement added to Palace Chase. AF Times 33:22 Nov 1 '72

Palace Chase. TIG Brief 24:20 May 19 '72

Palace Chase AFSCs listed. AF Times 33:22 Sep 20 '72

Palace Chase 'dropouts' may face recall. AF Times 33:50 Nov 1 '72

'Palace Chase' lists 14 state openings. AF Times 33:10 Oct 18 '72

Palace Chase provisions expanded. TIG Brief 24:6 Oct 27 '72

Palace Chase, unit shifts overlap--8,000 want Reserve transfers. AF Times 32:55 Apr 19 '72

Transfers to AFRes mounting. AF Times 32:5 Apr 26 '72

2,700 in line to leave early--transfer to Reserves. AF Times 32:1+ Apr 5 '72

Units open under Palace Chase for eligibles--one to six years required by shift. AF Times 32:4 Apr 5 '72

Palace Dragon

SEA duty: 240 slots for rated. AF Times 32:3 Jul 26 '72

Want to PCS? Ask for SEA. Bruce Callander. AF Times 32:1+ Feb 16 '72

Palace Fly

EM sought for crew slots--'Palace Fly' needs volunteers. AF Times 32:6 Jul 19 '72

PROJECT - ContinuedPalace Gun

SEA duty: 240 slots for rated. AF Times 32:3 Jul 26 '72

Want to PCS? Ask for SEA. Bruce Callander. AF Times 32:1+ Feb 16 '72

Peace Fortune

(Project Peace Fortune--to expand and upgrade the Korean Air Force communications system) Signal 26:106 Jun '72

Peace Ruby

Land of the dogs. (Project Peace Ruby in Iran) illus Airman 16:2-4 Oct '72

Prime BEEF

Civic Action: A new role for Prime BEEF. Capt Max W. Day. illus map Mil Engr 64:108-109 Mar-Apr '72

Directorate of Civil Engineering: From handymen to professional civil engineers. illus Contact 26:2-5 Jan-Feb '72

Engineers (from Offutt AFB, Neb) aid Santee Sioux. Lt Richard L. Holman. illus AF Times 33:32 Aug 9 '72

An open discussion on the Prime BEEF program. Capt Max W. Day. illus tab AF Civil Engr 13:14-15 Feb '72

Operation and maintenance of "Prime BEEF." TIG Brief 24:8 Apr 7 '72

Prime BEEF. illus Air Reservist 24:6-7 Aug-Sep '72

Prime BEEF delivers again. (Aircraft hangars constructed at U-Tapao Airfield, Thailand) Capt Floyd A. Ashdown. illus AF Civil Engr 13:21-23 Aug '72

Prime BEEF program violations. TIG Brief 24:20 Jun 2 '72

A progress report on AFCE management. A.M. Crawford. illus AF Civil Engr 13:2-5 Feb '72

RED HORSE

Directorate of Civil Engineering: From handymen to professional civil engineers. illus Contact 26:2-5 Jan-Feb '72

Engineers needed at U-Tapao (RTAFB, Thailand). AF Times 33:48 Aug 9 '72

The HORSE is not dead: How to employ RED HORSE in the CONUS. Maj John L. Moore. illus tab AF Civil Engr 13:1-5+ Aug '72

A progress report on AFCE management. A.M. Crawford. illus AF Civil Engr 13:2-5 Feb '72

'RED HORSE' gallops across U.S. range. AF Times 33:40 Aug 23 '72

Referral

Retiree job program killed. AF Times 33:41 Nov 8 '72

Tektite

Operation Ms under the sea. (Tektite II) David Jacobson. illus Sea Power 15:29-32 Feb '72

Transition

Civilian job training Skill Center opens at Forbes (AFB, Kan) Jan 10. AF Times 32:3 Jan 5 '72

PROJECT - ContinuedTransition - Cont'd

Forbes (AFB, Kan) Skill Center lists schedule. AF Times 32:40 May 31 '72

A job for Charlie. (Training at Air Force Skill Center, Forbes AFB, Kan) illus Airman 16:9-11 Jun '72

Job help set for 10,000 getting out. AF Times 32:3 Apr 19 '72

Pease (AFB, NH) Transition smooths way. AF Times 33:43 Nov 8 '72

Skill Center (at Forbes AFB, Kans) drops limits. AF Times 32:8 Jan 19 '72

Skill Center (at Forbes AFB, Kans) lists new courses --direct application set up. tab AF Times 33:5 Aug 23 '72

Skills for the asking. Sgt1C D. Mallicoat. illus Soldiers 27:34-40 Jun '72

Transition counselors plan DC 'job fair.' AF Times 33:36 Aug 30 '72

(Veterans Construction Job) Clearinghouse seeks jobs for vets in construction. AF Times 32:51 Feb 23 '72

Your future as a veteran. illus tabs AF Times pt 1, Yes, vets, some do care. Larry Carney. 32:5-6 Oct 13 '71; pt 2, On-duty Transition does help. Bob Schweitz. 32:5-6 Oct 20 '71; pt 3, VA benefits aren't automatic. Bill Drach and Louis Dorsch. 32:42-43 Oct 27 '71; pt 4, GI Bill 'student body' growing. Larry Carney. 32:42-43 Nov 3 '71; pt 5, Vet unemployment dips. Larry Carney. 32:41-42 Nov 10 '71; pt 6, Disability pay confusing. Mel Jones. 32:46-47 Nov 17 '71; pt 7, VA caters to 'new vet.' George Marker. 32:43-44 Nov 24 '71; pt 8, GI home buying gets new life. George Marker. 32:45-46 Dec 1 '71; pt 9, SGLI conversion tips. Bill Kreh. 32:50-51 Dec 8 '71; pt 10, The beneficiary snag. Ruth Chandler. 32:37 Dec 15 '71; pt 11, How 'bout the Reserves. Ed Gates. 32:30-31 Dec 22 '71; pt 12, Dear Congressman. Robert S. Horowitz. 32:29 Dec 29 '71; pt 13, Vet groups fill a void. Tony Hale. 32:31 Jan 5 '72

Volunteer

BSA test slated for Shaw (AFB, SC) airmen. AF Times 32:4 May 3 '72

Project Volunteer countdown. TIG Brief 24:20 Nov 24 '72

(Project) Vol(unteer) funding requests listed--commands seek schooling, dorms. AF Times 33:6 Dec 20 '72

(Project) Vol(unteer) funds tight. Bob Towle. AF Times 33:1+ Dec 6 '72

'Project Volunteer' staffers study recruiting ideas. AF Times 33:2 Sep 20 '72

Singles tour cut overseas. Bruce Callander. AF Times 32:1+ May 10 '72

Tour improvement package proposed. Bruce Callander. AF Times 32:1+ May 3 '72

\$25 million sought for recruiting--Project Volunteer funds. AF Times 32:40 May 13 '72

(USAF) Recruiting Service prepares for Project Volunteer. TIG Brief 24:9-10 Jan 28 '72

PROMOTIONAir Force--U.S.See also

Weighted Airman Promotion System

AF lifts veil on (field grade selection) boards. George Foster. AF Times 33:1+ Nov 15 '72

AF requests exceptions to freeze: Few expected in civilian jobs; hikes sought for selectees. Don Mace, Jr. AF Times 33:6 Dec 27 '72

AF seeks hump legislation. tabs Armed Forces J 109:16-17 Apr '72

All-out drive slated to get grade relief. AF Times 32:3 Feb 23 '72

Boards again slated for supergrade hikes. AF Times 32:4 Jul 19 '72

Congressmen confused by TOPCAP plans. AF Times 32:18 Jul 19 '72

DOD retards stripes pace. Bruce Callander. AF Times 32:1+ Feb 2 '72

Dentists receive new edge to O-4. George Foster. AF Times 32:1+ Jul 19 '72

Dentists to get earlier chance at 1(ieutenant) c(colonel), colonel. AF Times 33:3 Aug 23 '72

E-5 hikes--equality arrives. AF Times 32:3 Jun 7 '72

E-9 selectees face backlog. AF Times 33:3 Dec 27 '72

EM hike alternative--fully qualified process shows several pluses. Bruce Callander. AF Times 32:13 Jul 12 '72

EM hike cycles put 'in phase.' AF Times 32:6 Jan 19 '72

EM overages likely, but don't panic--AF. Bruce Callander. AF Times 32:1+ Jun 14 '72

EM promotion picture looks good. tab AF Times 32:3 Feb 23 '72

Eligibility for O-4 clarified--cut-off date is Feb 7 '67. AF Times 32:6 Apr 19 '72

Everything you always wanted to know about promotions (but didn't know who to ask). Capt John T. Correll. illus tab AF Mag 55:54-57+ Feb '72

A fair share for USAF minorities. Capt John T. Correll. illus AF Mag 55:25-29 Jun '72

Fast hikes even out after 1st hitch. AF Times 33:21 Oct 18 '72

15 get star hikes--Senate confirmation required (and general officer transfers announced). illus AF Times 32:5 Mar 29 '72

40,000 cuts held likely. Bruce Callander. AF Times 33:1+ Dec 20 '72

Grade bill gains; O-6 list stalls. George Foster. AF Times 32:1+ Jul 5 '72

'Grade creep' solution a long-range one. Bruce Callander. AF Times 33:13 Nov 22 '72

Grade relief crisis looms--siege seen. George Foster. tab AF Times 32:1+ Feb 2 '72

Grade relief delay costing selectees \$\$\$. George Foster. AF Times 32:1+ Jul 12 '72

Grade relief moves (through House). George Foster. tab AF Times 33:1+ Aug 9 '72



## PROMOTION - Continued

Air Force--U.S. - Cont'd

Grade relief passes; colonels list coming. George Foster. AF Times 33:1+ Oct 4 '72

Grade relief sent to Hill. AF Times 32:5 Apr 26 '72

High-year hike cutoff studied. Bruce Callander. AF Times 33:1+ Nov 8 '72

Hike logjam broken--Senate compromise OKs officer grade relief. Ed Gates. AF Times 33:1+ Oct 25 '72

Hike opportunity mixed for NCOs. AF Times 33:11 Sep 13 '72

Hike-retire curb due to resume in 1973. AF Times 33:36 Sep 6 '72

Hike view good for EM in '73. Bruce Callander. AF Times 32:1+ May 24 '72

Hikes frozen. George Foster and Bruce Callander. AF Times 33:1+ Dec 27 '72

Hikes, super pay merged--point system held off at least another year. Bruce Callander. AF Times 32:1+ Jan 12 '72

Hikes, super pay stay linked. AF Times 33:5 Oct 18 '72

Hikes to captain delay due in '73. George Foster. AF Times 33:1+ Nov 22 '72

House unit approves grade relief moves. George Foster. AF Times 32:1+ May 31 '72

(LtGen) Carlton selected MAC commander (and other general officer activity announced). AF Times 33:55 Oct 4 '72

(LtGen) (Fred M.) Dean plans June retirement (and promotions and reassignments announced). AF Times 32:4 May 3 '72

'Losses' aid stripes pace--hike numbers listed. AF Times 33:15 Aug 30 '72

Low-year rules waived one time. AF Times 33:15 Dec 20 '72

Many NCOs miss stripes--up to 9,500 wait. AF Times 32:4 Apr 26 '72

NCO hike delays won't hurt now, could in future. AF Times 33:15 Nov 8 '72

NCO hike outlook shows quota drop. Bruce Callander. AF Times 32:13 Feb 9 '72

NCO hikes hurt most in cutback. AF Times 32:1+ Jan 26 '72

NCO pace to pick up but wait for E-2, E-3 extended. AF Times 32:4 Mar 15 '72

NCO promotions periled. Bruce Callander. AF Times 33:20 Nov 29 '72

NCOs revise exams. illus AF Times 33:47 Dec 13 '72

Navy-type 'frocking' rejected. AF Times 32:1+ Apr 19 '72

Navy's 'frocking' decision studied by AF planners. George Foster. AF Times 32:1+ Mar 29 '72

New DOR (Date Of Rank) procedures assist some officers--nurses also get break. George Foster. AF Times 32:1+ Feb 16 '72

'71 major generals add 2d star (and others move up to one star). AF Times 32:3 Jan 26 '72

## PROMOTION - Continued

Air Force--U.S. - Cont'd

A no-fail (no good) test (for promotion). Bruce Callander. AF Times 33:13 Aug 30 '72

Noncom stripes periled. Bruce Callander. AF Times 33:1+ Oct 25 '72

O-6, 5 hikes stalled. George Foster and Ed Gates. AF Times 33:1+ Oct 18 '72

Officer hike plans move despite grade relief snag. AF Times 33:3 Sep 13 '72

Officers want tighter trax criteria (at AF Career Motivation Conference, Maxwell AFB, Ala, June 5-9, 1972). AF Times 33:55 Aug 23 '72

115 warrant officers selected for promotion. AF Times 32:21 May 10 '72

131 physicians get field-grade hikes. AF Times 32:6 Feb 2 '72

Opportunity lost by hike refusers. AF Times 32:5 Mar 29 '72

Other aspects of big freeze. AF Times 33:20 Dec 27 '72

Personnel Data System-Airmen (PDS-A) accuracy. TIG Brief 24:19 Nov 24 '72

Personnel outlook for the comptroller family. Col Edmund W. Edmonds, Jr. illus tabs AF Compt 6:11+ Jan '72

Promotion of airmen. TIG Brief 24:5-6 Sep 1 '72

Promotions to E-4 come at two-year point. AF Times 32:18 Feb 16 '72

Quality rules hit EM hikes. Bruce Callander. AF Times 33:1+ Aug 9 '72

Quick hike resumption eyed--plans made for officers. AF Times 33:3 Dec 27 '72

Reg(ular) AF chances due six groups. AF Times 33:3 Nov 1 '72

Retraining geared to avert surplus. Bruce Callander. AF Times 32:13 Apr 26 '72

Search for hike equality--percentages a problem. AF Times 33:5 Nov 29 '72

Sergeant hikes forecast for more than 41,000. AF Times 33:11 Sep 6 '72

7 officers win stars (and other general officer actions announced). AF Times 33:8 Nov 29 '72

60-75 star slots seen--board to meet in December. AF Times 33:6 Sep 13 '72

6,322 officer hikes set--grade relief still needed. George Foster. AF Times 32:1+ Apr 12 '72

Slowdown shaped in EM hike pace. Bruce Callander. AF Times 32:1+ Feb 23 '72

Some EM hikes delayed. Bruce Callander. AF Times 32:1+ Apr 12 '72

Some techs, due E-7, soon to vie for E-8. AF Times 32:8 May 10 '72

Super boards: Credibility gap? Bruce Callander. AF Times 32:13 Jan 19 '72

TIS (Time In Service): Long-range impact on hikes--low year of tenure added. Bruce Callander. AF Times 32:13 Mar 22 '72

PROMOTION - ContinuedAir Force--U.S. - Cont'd

TOPCAP seeks goal of equalizing hikes. Bruce Callander. AF Times 32:1+ Mar 8 '72

23 to pin on stars--biggest month yet (and other general officer activity announced). AF Times 32:10 Aug '72

USAF goes to the Hill for grade relief. illus tab AF Mag 55:60-62 Mar '72

Uncertainty clouds field-grade hikes. AF Times 32:1+ Feb 9 '72

Updated reg (AFR 39-29) adds new TIS (Time-In-Service) criteria. AF Times 33:20 Aug 9 '72

Vintage hike year could go sour. Bruce Callander. AF Times 32:13 May 31 '72

Youth movement continues in promotions to one-star. tab AF Times 32:6 Feb 16 '72

Statistics

AF details FY 73 promotion plans. tabs Armed Forces J 109:14-15 Mar '72

Brigadier general hikes include woman, astronaut. AF Times 32:5 Feb 9 '72

Colonel selectees analyzed. AF Times 33:2 Nov 1 '72

E-5 quota: Only 16,000. Bruce Callander. AF Times 32:1+ May 17 '72

E-5 statistics: A 'fair shake.' AF Times 32:5 Jun 14 '72

E-6, E-7 selection due for 12,800. Bruce Callander. AF Times 32:1+ Jul 5 '72

8,345 EM hikes slated--supergrades speed up. Bruce Callander. AF Times 32:1+ Jan 5 '72

11,307 to pin on stripes in April--E-5s do best. AF Times 32:3 Mar 29 '72

FY 1971 (and 1972) temporary promotion selection rates. (AFIT totals) Tables only. Contact 25:25 Nov-Dec '71

Grade table comparisons--AF commissioned officers. Tables only. Armed Forces J 109:16 Apr '72

More selected for star promotions. AF Times 32:1+ Feb 23 '72

970 officers advance to 1(iutenant) c(olonel), major June 1. AF Times 32:6 Jun 7 '72

9483 hikes set for airmen. Bruce Callander. AF Times 33:1+ Nov 22 '72

October quota promises 11,843 EM promotions. AF Times 33:2 Sep 27 '72

Quotas catch up in middle grades. AF Times 32:20 Jul 5 '72

1783 make 1(iutenant) c(olonel); majors on way. George Foster. AF Times 33:1+ Nov 1 '72

649 picked for permanent colonel. AF Times 32:59 Jun 28 '72

6,857 named for hikes to E-6, 7. AF Times 32:21+ Feb 2 '72

Temp 0-4 hikes go to 1,630. George Foster. tab AF Times 32:1+ Jan 5 '72

10,199 to win March stripes. Bruce Callander. AF Times 32:1+ Mar 1 '72

PROMOTION - ContinuedAir Force--U.S. - Cont'dStatistics - Cont'd

3503 majors named. George Foster. AF Times 33:1+ Nov 8 '72

391 due hikes on Dec 1. AF Times 33:2 Nov 29 '72

24,118 to get July stripes. AF Times 32:1+ Jun 21 '72

Armed Forces--U.S.

Budgetary woes cause rank flap. Bruce Callander. AF Times 33:13 Aug 9 '72

DOD eyes O-2 hike delay to 18 months. AF Times 33:3 Dec 13 '72

Fast burners upset (promotion) system. LtGen Ira C. Eaker, Ret. AF Times 33:13 Oct 4 '72

How to make flag rank--don't wander far from home. Thomas C. Steinhauser. Armed Forces J 109:20+ Jul '72

Later promotions for O-1s opposed. AF Times 33:3 Sep 20 '72

O-1, O-2 face hike waits. George Foster. AF Times 33:1+ Sep 6 '72

O-3 stretch-out logical, but questions remain. Ed Gates. AF Times 33:13 Dec 6 '72

Old regulation established TIS (Time In Service) for upper grade EM. AF Times 32:55 Mar 29 '72

Star status: Army, Navy, Air Force. Regular feature in issues of Armed Forces Journal

That 'temporary' hike freeze. Ed Gates. AF Times 33:13 Dec 27 '72

Army--U.S.

Army revises rules on enlisted hikes. AF Times 33:55 Aug 30 '72

E-1 to O-10...clear the track. Col Daniel T. Chapman, Ret. Army 22:15-17 Nov '72

New type generals for a new Army? Froehle wants the best possible. Armed Forces J 109:17-18 Aug '72

OPMS (Officer Personnel Management System). tab Mil Rev 52:95-97 Sep '72

The talent drain. Col Arthur J. Cornelson, Ret. illus Army 22:47-50 Apr '72

Statistics

Army names 62 b(rigadier) gen(eral)s. tabs Armed Forces J 109:14 Jul '72

Sixty-four new Army stars. Armed Forces J 110:16 Sep '72

Marine Corps--U.S.

ALMAR 16. MarCor Gaz 56:10 May '72

Marines name new major generals, brigadier generals. Armed Forces J 110:17 Sep '72

Performance evaluation system. (Explanation of fitness reporting changes) MarCor Gaz 56:27-30 Mar '72

Star selections made (and reassignments announced). MarCor Gaz 56:4 Sep '72

PROMOTION - ContinuedNavy - U. S.

Automating the naval officer selection and promotion system. CAPT G.H. Lewis. illus tabs Nav War Col Rev 25:37-53 Sep-Oct '72

Below-the-zone selection. LCDR Richard W. Hunter. illus tab US Nav Inst Proc 98:104-107 Jan '72

First woman (Alene B. Duerk) becomes an admiral. Armed Forces J 109:11 Jun '72

Navy-type 'frocking' rejected. AF Times 32:1+ Apr 19 '72

Navy's 'frocking' decision studied by AF planners. George Foster. AF Times 32:1+ Mar 29 '72

This business of project management. CAPT Frank H. Featherston. illus US Nav Inst Proc 98:22-29 Jan '72

Statistics

Navy names 50 for flag rank. Sea Power 15:37 Jun '72

Reserve Forces - Air Force - U. S.

AF, Senator (Margaret Chase Smith) hassle over (Reserve) generals. George Foster. AF Times 32:13 Aug 2 '72

Quick hikes (in Air Reserve Forces)--many don't qualify. Gene Spooner. AF Times 33:17 Sep 27 '72

Statistics

896 win ROPA hike to 1(lieutenant) c(olonel)--129 on active duty. AF Times 32:59 Jul 12 '72

827 Reserve officers make ROPA major. AF Times 32:39+ Apr 5 '72

130 Reservists named for eagles. AF Times 33:4 Nov 1 '72

Reserve Forces - Armed Forces - U. S.

Reserves to lift lid on NCOs. Gene Spooner. AF Times 32:4 Jul 5 '72

Reserve Forces - Army - U. S.

Big changes for Army Guardsmen--a new Reserve Components Enlisted Career Program. Natl Guardsman 26:24-25 Dec '72

PROPELLANTS

Hound Dog fuel differential. Capt James N. Manosh. illus Combat Crew 23:14-17 Feb '72

Propellants, pressurants, and related items furnished by contractors. TIG Brief 24:19 Apr 7 '72

Safety Measures

Apollo/Saturn 5 safety. David Dooling, Jr. illus Spaceflight 14:375-376 Oct '72

PROPERTY, GOVERNMENT

The Army and the push for public park lands. Lloyd Norman. illus map Army 22:12-14 Mar '72

Identifying unneeded Federal real property. TIG Brief 24:15-16 Jul 14 '72

Improper personal property disposal and sales activities. TIG Brief 24:2 Dec 8 '72

Property responsibility. TIG Brief 24:9 Jul 14 '72

PROPERTY, GOVERNMENT - ContinuedMaintenance and Repair

Defense and the taxpayer. Robert L.F. Sikes. Mil Engr 64:22-23 Jan-Feb '72

PROPULSION SYSTEMSSee also

Boosters

Thrust

also specific types of propulsion, e.g., Nuclear Propulsion

Apollo lunar spacecraft--how it works. The total story of Apollo. illus (Also cutaways) Space World pt 1, I-4-100:4-60 Apr '72; pt 2, I-5-101:4-58 May '72; pt 3, I-6-102:4-59 Jun '72

Controlled thermonuclear fusion for space propulsion. David Dooling, Jr. illus tab Spaceflight 14:26-27 Jan '72

Engine concepts for space applications. William G Holder and Maj William D. Siuru, Jr. illus AU Rev 23:45-53 Sep-Oct '72

Jet Shot. (A new propulsion device that can launch projectiles without sound, smoke, or flame) Col John J. Frost. illus Ordnance 56:386-390 Mar-Apr '72

Some limitations of the interstellar ramjet. Anthony R. Martin. illus tabs Spaceflight 14:21-25 Jan '72

Water propulsion. I. Robert Ehrlich. illus Armor pt 1, 81:24-29 Nov-Dec '72

PROVING GROUNDS see Armament Development and Test CenterPROXMIRE, William

Proxmire anti-Navy study termed 'biased,' 'tainted,' 'misleading' (by ADM Zumwalt). por Sea Power 15:32-34 Jul-Aug '72

The Senator wants more analysis (of retired officers in defense industry)--but what kind? Interview. William Proxmire. Armed Forces J 109:38+ May '72

PSYCHIATRY

Psychiatric and psychometric predictability of test pilot school performance. Burford W. Culpepper and others. tabs Aerosp Med 43:1257-1260 Nov '72

PSYCHOLOGICAL RESEARCH

California Psychological Inventory as a predictor of success in the naval flight program. Steven F. Bucky and Samuel L. Ridley. tab Aerosp Med 43: 971-973 Sep '72

Must the professionals step aside again? (Behaviorism as the new panacea) LtCol Robert Leider. illus Army 22:40-45 Jun '72

Psychological dimensions of Army students attending the U. S. Army War College: An analysis. LtCol Peter B. Petersen. illus tab Parameters 2:60-70 Spring-Summer '72

PSYCHOLOGICAL WARFARESee also

Vietnamese Conflict, 1957- --Psychological Aspects  
War--Psychological Aspects



PSYCHOLOGICAL WARFARE - Continued

PSYOP: What is it? And what should we do about it?  
Raymond J. Barrett. illus Mil Rev 52:57-72  
Mar '72

Psychological warfare in North Mozambique. P.K.  
Huibregtse. NATO's Fifteen Nations 17:28-30  
Apr-May '72

Some aspects of guerrilla warfare--socio-economic,  
polwar and psywar. Michael Calvert. illus chart  
RUSI J for Def Studies 117:20-24 Sep '72

PSYCHOLOGYSee also

Behaviorism (Psychology)

Motivation (Psychology)

Gestalt, awareness, and the ASI (Air Safety Investi-  
gator). (Adapted from address, International  
Convention of the Society of Air Safety Investi-  
gators, Los Angeles, Oct 26, 1971) David G.  
Holmes. illus USA Avn Dig 18:46-50 Jan '72

Must the professionals step aside again? (Behav-  
iorism as the new panacea) LtCol Robert Leider.  
illus Army 22:40-45 Jun '72

The psychology of leadership. SMSgt Bruce Emerson.  
USAF Instrs J 9:22-24 Winter '71-'72

PUBLIC INFORMATION

Improving understanding of the military. (Remarks,  
4th Annual MAC NCO Conference Dining-In,  
Altus AFB, Okla, Nov 19, 1971) LtGen James C.  
Sherrill, delivered by MajGen Gilbert L. Curtis.  
AF Pley Ltr for Comdrs: Sup No. 2:9-13 Feb '72

Media examine "backgrounders." Bruce Callander.  
AF Times 32:13 Jan 12 '72

Public affairs activities. (Public information and  
community relations) tabs AF Pley Ltr for  
Comdrs: Sup No. 10:24-28 Oct '72

The right to know (the reasons for many decisions of  
government). BrigGen Henry Hugin, Ret. Ord-  
nance 57:138-139 Sep-Oct '72

The role of the communications media in a demo-  
cratic society. (Lecture, Naval War College,  
1971?) Barry Zorthian. illus Nav War Col Rev  
24:1-7 Feb '72

What government is doing about its communications  
gap. (Interview with White House Director of  
Communications, Herbert G. Klein) C. W. Borklund.  
illus Govt Exec 4:37+ Oct '72

Who's listening? Who's talking? Col William R.  
Edgar. illus AU Rev 23:72-75 Jul-Aug '72

PUBLIC LANDS see Property, GovernmentPUBLIC OPINIONSee also

Vietnamese Conflict, 1957- --Public Opinion

American civil-military relations in the 1980's. Col  
Richard F. Rosser. illus Nav War Col Rev 24:6-23  
Jun '72

Antimilitarism in America. Herman S. Wolk. illus  
AU Rev 23:20-25 May-Jun '72

Arousing public interest in defence. SqLdr B.J.  
Jackson. Royal Air Forces Qtr 12:23-30  
Spring '72

PUBLIC OPINION - Continued

How the Army can create a GFI (Generally Favorable  
Impression). Lawrence R. Crane. Army 22:47-48  
Jul '72

The impact of societal change on the U.S. Army.  
LtCol William L. Hauser. illus Parameters 1:9-17  
Winter '72

The media and the Armed Services. MajGen D. W.  
Scott-Barrett. illus Mil Rev 52:62-76 Apr '72

No more Vietnams? Willard L. Beaulac. illus US Nav  
Inst Proc 98:18-25 Nov '72

Of wars and warriors (American style). Vincent  
Davis. Nav War Col Rev 25:20-31 Nov-Dec '72

The pacifist legacy. Morton E. Milliken. illus Army  
22:33-39 Feb '72

Toward a navy second to one. CAPT Robert H. Smith,  
Ret. illus US Nav Inst Proc 98:42-51 Nov '72

PUBLIC RELATIONS

For material on the relations between a base and  
its neighboring community see Community Relations.

Air Force

Public relations and the BCE. Capt Robert A. Kunsel-  
man. illus tab AF Civil Engr 13:11-13 Aug '72

The USAF Home Town News Program. TIG Brief  
24:17-18 Jul 14 '72

Armed Forces

Arousing public interest in defence. SqLdr B.J.  
Jackson. Royal Air Forces Qtr 12:23-30  
Spring '72

Improving understanding of the military. (Remarks,  
4th Annual MAC NCO Conference Dining-In,  
Altus AFB, Okla, Nov 19, 1971) LtGen James C.  
Sherrill, delivered by MajGen Gilbert L. Curtis.  
AF Pley Ltr for Comdrs: Sup No. 2:9-13 Feb '72

The media and the Armed Services. MajGen D. W.  
Scott-Barrett. illus Mil Rev 52:62-76 Apr '72

The role of the communications media in a demo-  
cratic society. (Lecture, Naval War College,  
1971?) Barry Zorthian. illus Nav War Col Rev  
24:1-7 Feb '72

Army

Did or did not the Army do in the dune? A case  
history in inaccurate journalism. Robert Ashby.  
illus AF Times, Family sup:6-7+ Feb 2 '72

How the Army can create a GFI (Generally Favorable  
Impression). Lawrence R. Crane. Army 22:47-48  
Jul '72

International community relations is every soldier's  
business. Infantry 62:18-19 May-Jun '72

Rolling (across U.S.) and rapping (about Army life).  
SP4 Chuck Noland. illus Soldiers 27:10-13 Jan '72

Up from 'Mickey Mouse'--military affairs in the  
curriculum (at Hofstra). Robert Sobel. illus Army  
22:18-22 Jan '72

Navy

The protest at (Exercise) Snowy Beach. CDR Ralph  
W. Blanchard. illus US Nav Inst Proc 98:118-122  
Jul '72

PUBLIC SPEAKING

Talk talk--a series of ideas to improve your presentations. Laurence E. Olewine. illus Armed Forces Compt 17:14-15+ Fall '72

Up against the podium--what to do before you write that speech. Don Foley. illus Natl Guardsman 26:24-25 Oct '72

Up against the podium--you can be a better speaker. J. David Truby. illus Natl Guardsman 26:26-27 Oct '72

Who's listening? Who's talking? Col William R. Edgar. illus AU Rev 23:72-75 Jul-Aug '72

PUBLICATIONS, MILITARY

See also specific types of publications. e. g.,  
Directives Regulations  
Manuals Technical Orders

United States

(AF) Register to appear every 2 years. AF Times 33:9 Sep 13 '72

The Air Force historical program. Aerosp Hist 19:119 Sep '72

Currency and use of Communications-Electronics (C-E) publications. TIG Brief 24:14 Oct 13 '72

DOD magazine empire--a paper tiger? Armed Forces J 110:33-34 Dec '72

DOD magazine empire: Laird wants to know--how big is it? Elaine E. Robertson. Armed Forces J 109:13 May '72

DOD magazine empire numbers 366 plus 1036 news-letters--but how much does it cost? Armed Forces J 109:29+ Jul '72

'IG Brief' examines hard landings. AF Times 32:40 Apr 12 '72

(Military) publishing curb ordered. AF Times 32:4 Apr 26 '72

PUBLICATIONS, MILITARY - ContinuedUnited States - Cont'd

Policies, procedures, and standards governing Air Force printing, duplicating, and copying. TIG Brief 24:13 Mar 10 '72

Publications and forms requirements and distribution. TIG Brief 24:16 Jun 2 '72

Costs

Do publications do the job? Ed Gates. AF Times 33:13 Oct 18 '72

PUERTO RICO

Guano and puff rounds: Navy starts Culebra pullout. map Armed Forces J 109:13 Feb '72

PULLER, Lewis B.

'Chesty' Puller--a legend takes a last taps. Col R. D. Heintz, Jr. Ret. por obit Sea Power 15:26-28 Feb '72

LtGen Lewis B. Puller, U.S. Marine Corps. Smith Hempstone. por obit US Nav Inst Proc 98:121-122 Feb '72

PURSLEY, Robert E.

Consider General Pursley... up from the ranks? Ed Gates. por AF Times 33:13 Oct 4 '72

Pursley decorated. por Armed Forces J 109:16 Jul '72

Pursley, 44, McDivitt, 43 to retire this summer (and other general officer actions announced). por AF Times 32:4 Jun 21 '72

Pursley receives 3d star, 5AF job (and other star assignments and star retirements announced). AF Times 33:4 Oct 25 '72

PYLE, Ernest T.

They remember Ernie. LtCol Bob Chick. por Army 22:23-29 Feb '72

QUALITY CONTROL

- Air Force quality assurance program. TIG Brief 24:6 Oct 13 '72
- Copper Quality--an Air Force wide quality assurance improvement program. TIG Brief 24:14 Dec 22 '72
- Defence standards--towards a cost-effective Air Force. Air Commodore C. T. Nance. illus Royal Air Forces Qtr 11:311-315 Winter '71
- Improved activity inspections. TIG Brief 24:2 May 5 '72
- Meeting the challenge of change--a discussion of: Strategy of realistic deterrence; Defense funding considerations; Quality control of C&E equipment; Industry-military cooperation. BrigGen D. L. Werbeck. illus Signal 27:10-17 Oct '72
- Noise and circuit loss measurements via European AUTOVON (1970-71). Marshall L. Cain. illus Signal 26:22-25 Apr '72
- Quality assurance and control. Col Justice B. King. illus Signal 27:34+ Nov '72
- Quality control for military construction. Robert G. Liebhardt. Mil Engr 64:245-246 Jul-Aug '72
- Visibility of performance: A requisite for communication system management. LtGen Gordon T. Gould, Jr. illus Signal 26:6-10 Jan-Feb '72

QUARTERMASTER CENTERS AND SCHOOLS

- NCOLP (NonCommissioned Officer Logistics Program) in an envelope. Gordon C. Bennett. illus Review 52:45-46+ Jul-Aug '72

QUARTERS ALLOWANCES

- AF proposes BAQ change to benefit bachelors. AF Times 33:4 Dec 13 '72
- BAQ due for poor housing. Bob Towle. AF Times 33:1+ Dec 13 '72

QUARTERS ALLOWANCES - Continued

- BAQ equality pushed by AF. AF Times 32:6 May 3 '72
- BAQ inequities irk women. AF Times 32:19 Jul 19 '72
- Cash needed to solve housing problems. AF Times 32:6 Jul 12 '72
- DOD asks options on base housing. Bob Towle. AF Times 32:3 Mar 29 '72
- Defense takes AF BAQ view. Bob Towle. AF Times 32:1+ May 31 '72
- Dependent husband rule liberalized--many service-women to get higher BAQ. AF Times 32:3 Jul 26 '72
- 8,000 bachelors face BAQ loss. Bob Towle. AF Times 33:1+ Aug 9 '72
- Five AF cases put to high court--three set for hearing. George Foster. AF Times 33:13 Nov 22 '72
- Housing reforms pushed. AF Times 32:8 May 3 '72
- Hunt on for BAQ \$\$--DOD lets more live off base. Bob Towle. AF Times 32:3 Jun 21 '72
- Overseas TDY per diem to reduce. AF Times 33:42 Nov 22 '72
- Single-married issue: AF pushing benefit 'equality.' Bob Towle. AF Times 33:1+ Aug 30 '72
- 'Substandard' (housing) may help lower ranks. Bob Towle. AF Times 33:4 Aug 23 '72
- 25,000 families in substandards to get rent break. Bob Horowitz. AF Times 33:1+ Aug 23 '72

QUESADA, Elwood R.

- Pioneer flyer is still flying high: LtGen Elwood R. Quesada. Thomas C. Steinhauser. por Armed Forces J 109:24 Jun '72

QUESTIONNAIRES see Surveys



RIF see Reduction in Force

ROTC see Reserve Officers Training Corps

R V N see Vietnam (Republic)

RACE PROBLEMS see Race Relations

#### RACE RELATIONS

Against discrimination: Law or policy? Maj Ned E. Felder. illus Army 22:39-40 Jan '72

The Air Force and equal opportunity. Robert C. Seamans, Jr. illus AU Rev 23:2-8 Sep-Oct '72

Are equal opportunity councils working? Marianne Lester. illus AF Times, Family sup:8-9 Jan 19 '72

The Black experience in Air Force blue. (Interview with LtCol Belmer J. Addison, Capt Robert B. Ramsay and SSgt Willis C. Cooper) illus AF Mag 55:30-34 Jun '72

The Black junior officer in today's Army. Capt Julius T. Crouch. illus Mil Rev 52:61-67 May '72

(BrigGen Lucius) Theus okays 'brotherhood' groups. AF Times 33:3 Dec 6 '72

A challenge to create change. (Remarks, National Convention of the National Assoc of Secondary School Principals, Anaheim, Calif, March 18, 1972) BrigGen Daniel James, Jr. AF Plcy Ltr for Comdrs: Sup No. 6:17-22 Jun '72

Commanders meet human relations problems. (Remarks, 1st International Meeting, Brotherhood Assoc of Military Airmen, Tucson, Ariz, June 8, 1972) MajGen John R. Murphy. AF Plcy Ltr for Comdrs: Sup No. 9:14-20 Sep '72

Coping with people problems. Interview. MajGen Frederic E. Davison. illus Soldiers 27:10-13 May '72

DOD policy on equal opportunity. (Remarks, Defense Race Relations Institute, Patrick AFB, Fla, Jan 31, 1972) Donald L. Miller. AF Plcy Ltr for Comdrs: Sup No. 3:16-20 Mar '72

Equal opportunity and race relations in the Air Force. TIG Brief 24:1 Dec 8 '72

Equality effort working. Interview. BrigGen Lucius Theus. AF Times 33:1+ Nov 29 '72

A fair share for USAF minorities. Capt John T. Correll. illus AF Mag 55:25-29 Jun '72

Human relations. TIG Brief 24:18 Sep 15 '72

Mission: Understanding. (ATC Human Relations Team) LtCol Ralf M. Miller and Capt James E. Tilton. illus Airman 16:12-15 Feb '72

More minority officers needed in (Marine Corps) command structure. MarCor Gaz 56:3 Mar '72

Moves urged to end (racial) bias--Task Force reports. AF Times 33:5 Dec 20 '72

New iron for NATO's backbone. (7th Army deals with internal problems) L. James Binder. illus Army 22:6-15 Jul '72

Of justice, equal opportunity, and discipline. L. Edgar Prina. illus Sea Power 15:30-31 Dec '72

'Palace Care' program (to assist in manning newly-established social actions job positions) scrubbed. AF Times 33:18 Oct 11 '72

Power to all of the people. LtCol Harry G. Summers, Jr. Army 22:29-31 Mar '72

## R

#### RACE RELATIONS - Continued

Race bias report expected by July. AF Times 32:2 May 3 '72

Race relations and the leader. Capt William A. Richards. illus Infantry 62:32-37 Mar-Apr '72

Race relations in the Air Force. (Address, Dept of Army Equal Opportunity Conference, Fort Benning, Ga, Sep 28, 1972) LtCol Earl W. Renfro. AF Plcy Ltr for Comdrs: Sup No. 12:25-29 Dec '72

Race relations: Main battle is still ahead. BrigGen Harry W. Brooks. illus Army 22:102-104 Oct '72

Racial pulse-feeling (Project RARE--Rapid Attitude Research and Evaluation) enters second phase. AF Times 32:3 May 31 '72

Rapping with Chappie. Interview. BrigGen Daniel James, Jr. illus AU Rev 23:12-21 Jul-Aug '72

SAC seminars discuss drug, race problems. AF Times 32:45 Apr 12 '72

Sentiment of soul. (Black Culture Festival at USAF Academy) Ted R. Sturm. illus Airman 16:24-32 Jun '72

Seven days in July. CDR Jack M. White. illus US Nav Inst Pro 98:37-41 Jan '72

#### Study and Teaching

Defense Race Relations Institute (DRRI). TIG Brief 24:11-12 Jun 16 '72

GOs to get race relations story--Institute trains teams for briefings (at Patrick AFB, Fla). AF Times 33:45 Nov 15 '72

Institute boosts race relations. (Defense Race Relations Institute, Patrick AFB, Fla) Larry Phillips. illus AF Times 33:37 Oct 4 '72

#### RADAR

Radar cross section of phased array antennas. James M. Flaherty. illus tab Elect Warfare 4:8+ Spring '72

#### History

EW history WW II. (Excerpts from Radio Countermeasures, National Defense Research Committee, Division 15 Summary Technical Report, vol 1, 1946) Elect Warfare pt 1, 4:20+ Summer '72; pt 2, 4:20-22+ Convention Issue '72

#### Weather Applications

The British artillery meteorological system. illus tab Intl Def Rev 5:366-369 Aug '72

#### RADAR, AIRBORNE

A-7--APN-190 antenna and radome handling. P. E. Miller. illus Aerosp Safety 28:10-11 Sep-Oct '72

AWACS slated for testing. illus AF Times 32:24 Feb 16 '72

AWADS (Adverse Weather Aerial Delivery System). Maj James Alexander. illus USAF TAWC Rev 3:10-14 Apr '72

#### RADAR AIDS TO AVIATION

Air traffic control--the service side. AVM E. D. Crew. illus Royal Air Forces Qtr 11:277-286 Winter '71

(Doppler Microwave Landing System) Signal 27:54-55 Nov '72

RADAR AIDS TO AVIATION - Continued

Preventing midairs in terminal areas. illus Aerosp Safety 28:4-6 Jul '72

Radar displays. illus MAC Flyer 19:12-14 Jun '72

Radar's role in air traffic control. Robert A. Beatty, Jr. illus USA Avn Dig 18:4-5+ May '72

Stage II--what is it? Col Glenn V. Thomas. illus TAC Attack 12:8-9 May '72

TALAR (Tactical Landing and Approach Radar)--what is it? illus TAC Attack 12:28-30 Jul '72

Your new AIMS altimetry system. Maj James G. Rider and Capt Lloyd A. Edwards. illus Aerosp Safety 28:10-13 Nov '72

Study and Teaching

Radar intelligence training. TIG Brief 24:10 Mar 10 '72

Testing

(TRAffic Control And Landing Systems (TRACALS) Evaluation Program) Signal 27:60 Dec '72

RADAR APPROACH CONTROL see Ground-Controlled Approach

RADAR COUNTERMEASURES see Electronic Counter-measures

RADAR EQUIPMENT

Battlefield surveillance radar systems. illus tab Intl Def Rev 5:514-521 Oct '72

Can these two puzzle parts solve your transponder problem? Richard G. Harding. illus USA Avn Dig 18:18-21 Sep '72

Developments in reconnaissance equipment--a review of some new systems. illus Interavia 27:494-496 May '72

Eyes over the top. (BMEWS Site I) Capt Gary A. Guimond. illus Airman 16:6-10 Jan '72

Heliborne doppler. John Woodworth. illus tab Elect Warfare 4:12+ Convention Issue '72

Human factors evaluation of labelled radar displays. R.A. Edenborough. illus Aerosp Med 43:1190-1193 Nov '72

New sensors for airborne reconnaissance. illus Interavia 27:489-493 May '72

Radar subclutter visibility limitation due to STALO (STabilized Local Oscillator) instability. Thomas F. Curry. illus Elect Warfare 4:4+ Convention Issue '72

(Radar system to detect sea-launched ballistic missiles) Signal 26:120 Jan-Feb '72

Russia and the ABM. Mark B. Schneider. map Ordnance 56:372-374 Mar-Apr '72

Maintenance and Repair

A-7--APN-190 antenna and radome handling. P.E. Miller. illus Aerosp Safety 28:10-11 Sep-Oct '72

What to begin with? Organisation of radar routine maintenance work. Col Y. Galkin. illus Soviet Mil Rev No. 4:41-42 Apr '72

RADAR NAVIGATION

F-111 terrain following radar revisited. Capt John Chapman. illus USAF Ftr Wpns Rev No. 4:4-8 Winter '71

RADAR NAVIGATION - Continued

Flying the SLUF blind. (TAC Test 71A-131F(A-7D Radar Nav/Bomb)) Maj G.I. Basel. illus USAF Ftr Wpns Rev, pp 4-7, Spring '72

RADIATIONSee also

Cosmic Rays  
Gamma Rays

Radiobiological problems caused by supersonic transport (with a survey of the first results established by tests performed on board the Concorde prototype). R. P. Delahaye and others. tabs Aerosp Med 43:782-784 Jul '72

The SOLRAD (SOLAr RADiation) satellite. Space World I-1-97:22-25 Jan '72

(Thermoviewer or handheld thermal viewer (AN/PAS-7)) Signal 26:58 May '72

Safety Measures

Dangerous radiation! On my base? Maj William B. Moyer. Aerosp Safety 28:22-23 Jun '72

No-notice radiation protection inspections. TIG Brief 24:3-4 Feb 11 '72

Proper wear of the film badge. TIG Brief 24:8 Aug 18 '72

Radiation candy. Capt Gideon Herrmann. Infantry 62:50-51 Sep-Oct '72

RADIO AIDS TO AVIATION

Radio Suisse--Switzerland's link with the world. illus tab Interavia 27:719 Jul '72

History

Instrument landing systems--radio landing aids from the Zeppelin to Category III. E. Kramar. illus Interavia 27:246-248 Mar '72

RADIO ASTRONOMY

Signals from other worlds. (1st Soviet/U.S. Conference on Communications with Extra-Terrestrial Intelligence (CETI)) Boris Belitsky. illus Space-Flight 14:17-19 Jan '72

RADIO BROADCASTING

Government--broadcasting--the public. Clay T. Whitehead. Signal 26:57-59 Jan-Feb '72

KRS--cornfields and crystals. (Carrier current station at Scott AFB, Ill) Capt Brian T. Ternamian. illus Airman 16:21-22 Dec '72

RADIO COMMUNICATIONS

Call signs. illus TAC Attack 12:4-6 Jun '72

Communication in woods and marshes. Col I. Taran. Soviet Mil Rev No. 2:22-23 Feb '72

Future communications requirements of the fleet satellite communications systems. (Address, AFCEA, Washington, June 7, 1972) RADM Samuel L. Gravely, Jr. illus Signal 27:14-16 Sep '72

Future tactical communications requirements for the USAF. (Address, AFCEA, Washington, June 7, 1972) BrigGen Robert L. Edge. illus Signal 27:13-14 Sep '72

RADIO COMMUNICATIONS - Continued

"Hey tower, haven't you got my clearance yet?"  
Col Robert E. Darlington. illus TAC Attack  
12:12-13 May '72; Adaptation. Approach 18:  
14-15 Dec '72

The Interdepartment Radio Advisory Committee--  
fifty years of service in radiocommunication. Col  
William E. Plummer, Ret. Signal 26:25-27  
May '72

The jawbone of an ass. (Radio communication tech-  
niques) MAC Flyer 19:11-15 Sep '72

Radio interference. Lt John J. Fuhs. illus Infantry  
62:14-15 Sep-Oct '72

Real-time environmental telemetry. Peter J. DeTroy.  
illus Signal 27:38-39 Oct '72

What is past is prologue (in Army communications).  
Capt Burtis G. Parcels. Signal 26:16-17 Mar '72

Testing

Tactical long range communications (Coronet Vox).  
Maj Kineson Jung. illus map USAF TAWC Qtr Rpt  
3:24-30 Jan '72

RADIO COUNTERMEASURES see Electronic Counter-  
measuresRADIO EQUIPMENTSee also

Radio Receiving Equipment

Low/Medium Frequency (L/MF) beacon AN/TRN-30  
(XE-1) (V). Anthony M. Marzano. illus tabs USA  
Avn Dig 18:32-35 Apr '72

RADIO FREQUENCY

Advanced microwave receiving system. J. P. Schoen-  
berg. illus Signal 27:19-21 Dec '72

Let's call it "electronic spectrum engineering."  
CAPT R. B. Greenwood. Signal 27:36-37 Oct '72

On the search for extra-solar intelligence. R. P.  
Haviland. tabs Spaceflight 14:217-219+ Jun '72

RADIO NAVIGATION

DNSS (Defense Navigation Satellite System): Satellite  
surveyor for the Field Army. Armando Mancini.  
illus map Mil Engr 64:340-342 Sep-Oct '72

Omega (navigation). illus MAC Flyer 19:11-13  
Mar '72

The quiet revolution in radio navigation. James J.  
Heigl, Jr. illus maps Signal 26:21-24 Mar '72

RADIO OPERATORS

E-4 to E-7 radio slots open o'seas (in Palace Sparks  
program). AF Times 33:21 Aug 23 '72

RADIO RECEIVING EQUIPMENT

The WR-550 wide range receiving system. R. S.  
Finke. illus Signal 26:36-37 Apr '72

RADIOACTIVE FALLOUT

The U.K. Warning and Monitoring Organisation. John  
Marriott. Armed Forces J 109:24-25 Mar '72

RADIOACTIVITYSafety Measures

Transporting radioactive materials safely. James H.  
Edgerton. illus Translog 3:18-19 Aug '72

RADIOLOGICAL WARFARE see Nuclear WarfareRAFTS

Cold sea survival. James H. Veghte. illus tabs  
Aerosp Med 43:506-511 May '72

Dinghy on the ice cap. (Multi-man raft) Maj F. C.  
Westergaard. illus MAC Flyer 19:19-22 Aug '72

RAILROADS

HSST (High Speed Surface Transport) in a total  
transportation system. Michael Overall and  
Oliver Bennett. illus Interavia 27:522-523 May '72

High speed surface transportation--the challengers.  
Michael Brown. illus (Also cutaway) maps tabs  
Interavia 27:512-520 May '72

The hovertrain. Peter Mason. illus Mil Engr 64:12-15  
Jan-Feb '72

Over or under the water? A place for both V/STOL  
and rail. K. W. Clark. illus Interavia 27:1010-1012  
Sep '72

Maintenance and Repair

Rubber railroad crossings stay defense transporta-  
tion costs. illus Def Trans J 28:57-59 Jul-Aug '72

Russia

The sea and Soviet domestic transportation. Robert  
E. Athay. illus maps tabs US Nav Inst Proc 98:  
158-177 May '72

United States

Profile: (BrigGen) M. D. "Bob" Losey (Ret). illus  
Def Trans J 28:14 Sep-Oct '72

Tracing is dead: Long live CISCO (Computerized  
Individual Shipment Control). Roger W. Gerling.  
illus Def Trans J 28:47-49 Mar-Apr '72

RAIN

See it like it is. (REPCON, rain REpellant and  
surface CONDitioner) illus Aerosp Safety 28:12-13  
Feb '72

RANDOLPH, Jennings

Gasification--new fuels source? Interview. Jennings  
Randolph. Govt Exec 4:16 Nov '72

Senator Jennings Randolph: "Man has joined the list  
of endangered species." por biog Govt Exec 4:  
34-35 Aug '72

RANGERS

Aquabush. Capt Gerald W. Johnson. illus Infantry  
62:50-53 Jan-Feb '72

Pros (B Co, 75th Rangers) at the survival game.  
Barney Halloran. illus Soldiers 27:21-23 Jul '72

Ranger training: A part of the Army's future? Cpts  
Warren D. Garlock and Michael L. Lanning. illus  
Infantry 62:28-30 Nov-Dec '72

Rotors for the Rangers. LtCol Thomas J.  
Shaughnessy. illus Army 22:38-42 May '72

RANKAir Force

All-out drive slated to get grade relief. AF Times  
32:3 Feb 23 '72



RANK - ContinuedAir Force - Cont'd

- Grade bill gains; O-6 list stalls. George Foster. AF Times 32:1+ Jul 5 '72
- 'Grade crcep' solution a long-range one. Bruce Callander. AF Times 33:13 Nov 22 '72
- Grade proliferation hit by appropriations unit. AF Times 33:20 Sep 27 '72
- Grade relief crisis looms--siege seen. George Foster. tab AF Times 32:1+ Feb 2 '72
- Grade relief delay costing selectees \$\$\$. George Foster. AF Times 32:1+ Jul 12 '72
- Grade relief misses bid. George Foster. AF Times 32:1+ Mar 15 '72
- Grade relief moves (through House). George Foster. tab AF Times 33:1+ Aug 9 '72
- Grade relief passes; colonels list coming. George Foster. AF Times 33:1+ Oct 4 '72
- Grade relief sent to Hill. AF Times 32:5 Apr 26 '72
- Hike logjam broken--Senate compromise OKs officer grade relief. Ed Gates. AF Times 33:1+ Oct 25 '72
- House unit approves grade relief moves. George Foster. AF Times 32:1+ May 31 '72
- New DOR (Date Of Rank) procedures assist some officers--nurses also get break. George Foster. AF Times 32:1+ Feb 16 '72
- O-6, 5 hikes stalled. George Foster and Ed Gates. AF Times 33:1+ Oct 18 '72

Statistics

- AF details FY 73 promotion plans. tabs Armed Forces J 109:14-15 Mar '72
- AF seeks hump legislation. tabs Armed Forces J 109:16-17 Apr '72
- Grade table comparisons--AF commissioned officers. Tables only. Armed Forces J 109:16 Apr '72
- USAF goes to the Hill for grade relief. illus tab AF Mag 55:60-62 Mar '72

Armed Forces

- Budgetary woes cause rank flap. Bruce Callander. AF Times 33:13 Aug 9 '72
- Congress scans Indian-chief ratio. AF Times 32:10 Apr 12 '72
- Praporshchiks and mitchmen in the USSR Armed Forces. illus Soviet Mil Rev No. 4:36-37 Apr '72
- Rank overhaul urged--House report criticizes 'too many chiefs' trend. Bob Horowitz. AF Times 32:1+ Aug 2 '72
- Rising grades--more money. Bob Horowitz. AF Times 32:9 Mar 22 '72

ArmyHistory

- The five stars. Armed Forces J 109:32 Jun '72

Marine Corps

- The numbers game. (Seniority affects many things in a Marine officer's career.) LtCol D'Wayne Gray. (Revised by Lineal Precedence Section, Hq USMC, from MarCor Gaz, Feb 1965) MarCor Gaz 56:57-58 Apr '72

RATED PERSONNEL see Aeronautical RatingsRATINGS

See also  
Aeronautical Ratings  
Effectiveness Reports

RATIONS

- Far out food for the future. SP4 Chuck Noland. illus Soldiers 27:24-27 Nov '72
- Undernourished falcons or overfed mules? (Food service at West Point, Annapolis and AF Academy) Bernadine M. Kopec. illus tab Armed Forces J 109:26-27 Apr '72

RAYMOND, Daniel A.

Architect/engineers and military construction. (Army, Navy and Air Force construction programs) (Adapted from papers, Architect/Engineer Conference on Federal Agency Construction Programs, St Louis, Nov 30, 1971) MajGen D.A. Raymond, RADM D.G. Iselin and MajGen M.R. Reilly. illus Mil Engr 64:166-169 May-Jun '72

REACTION TIME

Desynchronization of body temperature and performance circadian rhythm as a result of outgoing and homegoing transmeridian flights. K.E. Klein and others. illus tabs Aerosp Med 43:119-132 Feb '72

READINESS COMMAND

- 'Brave Shield' under way. AF Times 33:63 Dec 13 '72
- (Exercise) Gallant Hand 72. James E. Elsener. illus Army 22:30-33 May '72
- Gallant Hand '72. illus Air Reservist 24:8-9 May '72
- Hell on wheels defeats the heliborne threat. (Exercise Gallant Hand 72) LtCol J. Hollis McCrea, Jr. illus Armor 81:23-25 Sep-Oct '72
- Keeps 'em hopping--testing troop readiness (in) Gallant Hand 72. SP4 Chuck Noland. illus Soldiers 27:18-25 Jun '72
- Sit up and take notice. (Exercise Brave Shield) illus Natl Guardsman 26:16-18 May '72

READING, REMEDIAL see Remedial ReadingREBH, George A.

Postal construction and the price of postage stamps. BrigGen George A. Rebh. illus map Mil Engr 64:262-265 Jul-Aug '72

RECHTIN, Eberhardt

Defense telecommunications: Is the systems proliferation trend stoppable? Interview. Eberhardt Rechtin. por Govt Exec 4:67-69 Jul '72

National policy and its effects on Defense communications and electronics. (Address, AFCEA, Washington, June 8, 1972) Eberhardt Rechtin. por Signal 26:22-24 Jul-Aug '72

(New Assistant Secretary of Defense for Telecommunications) por Signal 26:60 Apr '72

RECONNAISSANCE

- Combat recon cyclists. Andrew Schneider. illus AF Times, Family sup:6-7+ Jul 5 '72
- Division recon in Europe. Capt D.C. MacCaskill. illus map MarCor Gaz 56:18-22 Jul '72

RECONNAISSANCE - Continued

Fighting experience and combat training. Gen I. Pavlovsky. illus Soviet Mil Rev No. 5:2-5 May '72

Rotors for the Rangers. LtCol Thomas J. Shaughnessy. illus Army 22:38-42 May '72

Unspotted Cuban aircraft shows up U.S. air net. AF Times 32:2 Jan 26 '72

Study and Teaching

At the gap. (RECONDO training at Indiantown Gap Military Reservation, Harrisburg, Pa) Capt Charles G. Cavanaugh, Jr. illus Soldiers 27:30-35 Sep '72

RECONNAISSANCE, AERIALSee also

Satellites, Reconnaissance  
Vietnamese Conflict, 1957- --Reconnaissance Operations

Far behind the dragon's head. (Near-real-time reconnaissance capability) Capt James T. Thomas. illus USAF TAWC Rev 3:4-9 Aug '72

New sensors for airborne reconnaissance. illus Interavia 27:489-493 May '72

Reconnaissance 1972. John W. R. Taylor. illus Royal Air Forces Qtr 12:7-14 Spring '72

VMCJ (Marine Composite Reconnaissance Squadron). LtCol P. A. Manning. illus MarCor Gaz 56:40-43 Oct '72

Equipment

Developments in reconnaissance equipment--a review of some new systems. illus Interavia 27:494-496 May '72

History

Reconnaissance 1972. John W. R. Taylor. illus Royal Air Forces Qtr 12:7-14 Spring '72

RECORDSSee also

Correspondence, Military

Air Force

AF Form 579, "Ward alcoholics and narcotics register." TIG Brief 24:16 Sep 1 '72

Accuracy of Officers' Personnel Data System. TIG Brief 24:7-8 Feb 25 '72

Court honors claim over 'major' loss (to Clairborne J. Duhon, Jr.). AF Times 33:55 Sep 20 '72

Disclosure of Air Force records. TIG Brief 24:15 Aug 18 '72

Disposition instructions in Air Force directives. TIG Brief 24:16 Apr 7 '72

Disposition of Air Force Documentation. TIG Brief 24:19 Sep 1 '72

'M(obilization)-day' records shifted from bases. AF Times 33:5 Aug 23 '72

More on personal affairs forms. TIG Brief 24:6 Nov 10 '72

Personnel Data System-Airmen (PDS-A) accuracy. TIG Brief 24:19 Nov 24 '72

Strict controls placed on unfavorable records. AF Times 32:4 May 31 '72

RECORDS - ContinuedAir Force - Cont'd

Who gets your \$ when you die. AF Times 33:42 Nov 22 '72

Army

Army error haunts NCO (SSgt Donald L. Fryer) mislabeled as heroin user. AF Times 32:2 Apr 19 '72

RECREATION

All outdoors. (Special Services recreation program) SSgt Don Mallicoat. illus Soldiers 27:26-29 Mar '72

The Army and the push for public park lands. Lloyd Norman. illus map Army 22:12-14 Mar '72

FAMCAMPs: Six on way, 11 abuilding. tab AF Times 32:22 Apr 19 '72

Rec centers: Plans call for making facilities art-social-education outlets. AF Times 32:17 Jul 5 '72

16 service clubs test 'now' lures. Sue Toma. AF Times 32:1+ Apr 26 '72

USO completes 30 years of supporting servicemen--work continues to expand. Rosemary Purcell. AF Times 32:24 Feb 2 '72

RECRUITING AND ENLISTMENTSee also

Reenlistment

Air Force--U.S.

AFSC guarantee plan to grow. AF Times 32:42 Apr 5 '72

Base-choice retained for prior-service men. AF Times 32:19 May 10 '72

Biggest selling job: Right image--competing in the open market. Bruce Callander. AF Times 32:13 Jul 19 '72

Bonus plans die as Hill adjourns. Bob Horowitz. AF Times 33:1+ Nov 1 '72

Break in service to cost stripes. AF Times 33:6 Oct 25 '72

'Cautious optimism' about the volunteer force. Interview. BrigGen Conrad S. Allman. illus AF Mag 55:56-59 Aug '72

Delayed-enlistment plan extended to six months. AF Times 32:8 Mar 22 '72

Enlisted strength to drop in 1973. Bruce Callander. AF Times 32:1+ Feb 9 '72

Enlisting standards quietly eased up. AF Times 32:10 May 31 '72

Enlistment pace holding up--future clouded by war. AF Times 32:6 May 24 '72

January draft halt to test hikes. AF Times 32:46 Jan 12 '72

Mood quiets on campus--anti-militarism fades. AF Times 32:21 Feb 16 '72

Officers sought from minorities. AF Times 32:1+ May 24 '72

Pay a big lure as draft fades: Survey results. AF Times 33:21 Sep 13 '72

RECRUITING AND ENLISTMENT - ContinuedAir Force--U.S. - Cont'd

Promises, promises. (Two new enlistment programs (PROMIS (PROcurement Management Information System) and Guaranteed AFSC) MSgt Loren B. Leonberger. illus Airman 16:16-19 Aug '72

ROTC dropouts face involuntary service. AF Times 33:8 Nov 1 '72

Recruiting in an all-volunteer environment. (Address Armed Services Committee, Spokane Chamber of Commerce, and Spokane Chapter, Air Force Assoc, Spokane, Aug 31, 1972) BrigGen Conrad S. Allman. AF Pley Ltr for Comdrs: Sup No. 10:13-16 Oct '72

Reduced procurement in offing--trimming the force. AF Times 32:6 Jan 12 '72

(The) selling sergeants. SSgt Boyd R. Stubblefield. illus Airman 16:12-15 May '72

\$25 million sought for recruiting--Project Volunteer funds. AF Times 32:40 May 13 '72

(USAF) Recruiting Service prepares for Project Volunteer. TIG Brief 24:9-10 Jan 28 '72

What makes Johnny enlist? Col William R. Bell and LtCol Daniel B. Geran. tabs Persp in Def Mgt, pp 47-82, Autumn '72

Zero draft and the all-volunteer force. (Statement before Special Subcommittee on Selective Service and Volunteer Armed Forces, Senate Armed Services Committee, March 13, 1972) MajGen John W. Roberts. AF Pley Ltr for Comdrs: Sup No. 6:23-30 Jun '72

Armed ForcesHistory

What sort of recruit? Maj Reginald Hargreaves, Ret. illus Mil Rev 52:58-67 Jan '72

Armed Forces--Great Britain

Some aspects of recruitment for the Armed Forces in the 1970s. SqLdr D. W. Granger. illus Hawk No. 33: 61-67 Feb '72

Armed Forces--U.S.

AF leads quality race. tab AF Times 32:1+ Jul 26 '72

The all-volunteer force: Why not? LTJG T. D. Kelley. illus US Nav Inst Proc 98:37-43 Mar '72

Bonus plans for everyone. Bruce Callander. AF Times 33:1+ Sep 20 '72

Combat bonus to stay. AF Times 33:19 Nov 22 '72

Gentlemen, drop your trousers, please. Armed Force entrance stations are trying to make getting into the military a more civil affair. Berl Brechner. illus AF Times, Family sup:10-11+ Oct 4 '72

Manpower chief (Roger T. Kelley) raps military 'try-out' plan. AF Times 32:20 Mar 1 '72

More recruiters nixed--lawmakers balk. Randy Shoemaker. AF Times 33:4 Sep 27 '72

'Project Volunteer' staffers study recruiting ideas. AF Times 33:2 Sep 20 '72

'Promises' betrayed? Many charge changes break implied contract. Bruce Callander. AF Times 33:13 Dec 13 '72

RECRUITING AND ENLISTMENT - ContinuedArmed Forces--U.S. - Cont'd

Recruits make DOD happy. AF Times 32:4 Mar 1 '72

Volunteer force by June 1973 in doubt--more incentives almost certain to be needed. Thomas C. Steinhauser. tab Armed Forces J 109:44 May '72

Statistics

The all volunteer force. (Address, American Society of Military Comptrollers National Symposium, Bolling AFB, DC, May 17, 1972) George A. Daoust, Jr. illus Armed Forces Compt 17:35-37 Summer '72

Army--Great Britain

Armies and societies: Three case studies. LtCol William L. Hauser. illus Mil Rev pt 1, The new German Army. 52:4-14 Jul '72; pt 2, The French Army after Algeria. 52:2-12 Aug '72; pt 3, The British Army at the end of the empire. 52:3-15 Sep '72

New selection, retention methods studied by Army. Interview. LtGen George I. Forsythe. Armed Forces J 109:16-17 Feb '72

Army--U.S.

The big push to man Army of volunteers. MajGen John Q. Henion. illus Army 22:96-99 Oct '72

New selection, retention methods studied by Army. Interview. LtGen George I. Forsythe. Armed Forces J 109:16-17 Feb '72

Rollin' and recruitin.' SP4 Chuck Noland. illus Soldiers 27:17-20 Nov '72

So, you want to be an Army recruiter. Maj C. J. Cavezza. illus Infantry 62:28-30 Sep-Oct '72

Trying the Army on for size. (New 3-day recruiting program) LtCol Tom Hamrick, Ret. illus Army 22:37-40 Aug '72

Marine Corps--U.S.

Campus chaos. Maj Richard H. Esau, Jr. MarCor Gaz 56:37-40 Jun '72

Youth wants to know--facts. (Comment on article by Capt C. R. Stichter, MarCor Gaz, Oct 1971) Maj S. K. McKee. MarCor Gaz 56:47-48 Feb '72

National Guard--Air Force--U.S.

5 ANG recruiters needed (by National Guard Bureau to monitor regional recruiting programs). AF Times 32:17 Aug 2 '72

Manpower troubles face ANG. Paul Collins. AF Times 32:2 Mar 15 '72

On-base recruiting drive OK'd for Reserves, Guard. AF Times 32:20 Jan 5 '72

Try One. (ANG recruiting program) MajGen I. G. Brown. illus Air Reservist 23:10-11 Dec '71-Jan '72

National Guard--Armed Forces--U.S.

Can Black men and women be "sold" on the Guard? Yes! They can! illus Natl Guardsman 26:18-19 Oct '72

DOD sees draft as "last resort" to maintain Guard, Reserve. Natl Guardsman 26:12-13 Feb '72



RECRUITING AND ENLISTMENT - ContinuedNational Guard--Armed Forces--U.S.

What's "big" in '72? (Adjutants General Assoc and NGAUS Executive Council meetings, Washington, Jan 1972) illus Natl Guardsman 26:22-25+ Feb '72

National Guard--Army--U.S.

In-service recruiting program gathers speed as ARNG strength drops. Natl Guardsman 26:13-14 Feb '72

Priority aggregate strength. BrigGen James S. Brooks. tabs Natl Guardsman 26:10-12 Feb '72

Navy--U.S.

The Matterhorn affair--recruiting becomes Navy's number one priority. James D. Hessman. illus Sea Power 15:32-35 Jun '72

Recruiting is the concern of all the Navy. RADM Emmett H. Tidd. illus Officer 48:16 Dec '72

Recruiting: Numbers up; quality still short. Thomas E. Morris. Sea Power 15:4 Nov '72

Recruiting posters WW I. Pictorial. US Nav Inst Proc 98:68-82 Feb '72

Reserve Forces--Air Force--U.S.

Air Force Reserve recruiting thrust vested in Reserve commanders. TIG Brief 24:8 Mar 10 '72

Delayed enlistment program. TIG Brief 24:6 Apr 21 '72

On-base recruiting drive OK'd for Reserves. Guard. AF Times 32:20 Jan 5 '72

Reserve Forces gain men despite zero draft quotas. Paul Collins. AF Times 32:3 Feb 16 '72

Reserve Forces--Armed Forces--U.S.

DOD directive limits Reserve Forces bonus--plan not yet approved. AF Times 32:6 Jun 21 '72

DOD sees draft as "last resort" to maintain Guard. Reserve. Natl Guardsman 26:12-13 Feb '72

Dynamic legislative program of ROA needed for Reserves and Defense. BrigGen Robert D. Upp. illus Officer 48:3+ Sep '72

The need for incentives is now. Col John T. Carlton. Officer 48:8 Nov '72

Reserve support units need help. Armed Forces J 110:10 Dec '72

Reserve Officers Training Corps--Air Force--U.S.

Enlistment and discharge of AFROTC cadets. TIG Brief 24:7 Dec 22 '72

RED TAPE

Army error haunts NCO (SSgt Donald L. Fryer) mislabeled as heroin user. AF Times 32:2 Apr 19 '72

REDSTONE ARSENALSee also

Missile Command

REDUCTION IN FORCE

Bad news for pilots. (RIFs will affect the Air Weather Service) (Excerpts from address, ANG/ADC safety workshop for commanders, May 1972) Col Lewis J. Neyland. Interceptor 14:20-21 Jun '72

REDUCTION IN FORCE - Continued

Comptroller reverses decision on RIF pay. AF Times 33:2 Sep 13 '72

Cut set in 607 EM flight slots--loadmasters, engineers affected. AF Times 32:21 Apr 5 '72

Deep officer woes loom. AF Times 33:20 Nov 29 '72

Drop in (Air) Force seen. George Foster. AF Times 33:1+ Sep 27 '72

Enlisted strength to drop in 1973. Bruce Callander. AF Times 32:1+ Feb 9 '72

Force to dip 13,000 in '73; TAC bears brunt of cuts. AF Times 32:38 Apr 26 '72

Foreign Service RIFs examined after tragedy, protection considered. Ed Gates. AF Times 32:13 Jan 5 '72

40,000 cuts held likely. Bruce Callander. AF Times 33:1+ Dec 20 '72

Legal snag holds up RIFed Reserves pay. AF Times 33:8 Aug 30 '72

NCO hikes hurt most in cutback. AF Times 32:1+ Jan 26 '72

NCO promotions periled. Bruce Callander. AF Times 33:20 Nov 29 '72

New 'outs' slated--more officer force cuts. George Foster. AF Times 32:1+ Mar 22 '72

New slash slated in force levels. AF Times 32:1+ Jan 19 '72

Officer early outs gain fast response. George Foster. AF Times 32:4 Mar 1 '72

Pay hike brings strange results, mixed reviews. tab Armed Forces J 109:10-11 Feb '72

Personnel cut seen as modest in '73. AF Times 32:20 Feb 2 '72

Presidential (Inter-Agency Economic Adjustment) Committee eases community adjustment when defense dollars disappear--federal resources match problem area. Melvin R. Laird. Def Mgt J 8:66-70 Oct '72

Reduced procurement in offing--trimming the force. AF Times 32:6 Jan 12 '72

Regulars, Reserves: Why both 'active?' Bob Horowitz. AF Times 32:3 Jan 12 '72

Senate unit votes to cut average strength 20,500. AF Times 32:3 Jul 12 '72

Services wary about cuts. AF Times 33:4 Sep 6 '72

Sizable cuts coming (in military manpower and bases)--timing unknown. AF Times 33:1+ Nov 29 '72

Transition poses fresh challenges (as war winds down). Gen William B. Rosson. illus Army 22:50-53 Oct '72

U.S. force reductions? The implications for Europe. Maj B.A. Clayton. illus RUSI J for Def Studies 117:55-61 Sep '72

REENLISTMENTAir Force--U.S.

Airman options regarding varying terms of reenlistment. TIG Brief 24:22 Nov 24 '72

Base-choice retained for prior-service men. AF Times 32:19 May 10 '72

REENLISTMENT - ContinuedAir Force--U. S. - Cont'd

Bonus plans die as Hill adjourns. Bob Horowitz. AF Times 33:1+ Nov 1 '72

Bonus plans for everyone. Bruce Callander. AF Times 33:1+ Sep 20 '72

Bonus policy--incentive to needs: Supply-and-demand concept. Bruce Callander. AF Times 33:13 Aug 16 '72

Bonus proposals win House unit approval. AF Times 33:1+ Oct 11 '72

Bonus skill changes delayed. AF Times 33:5 Aug 16 '72

Break in service to cost stripes. AF Times 33:6 Oct 25 '72

Bright side of skill cuts: Most to collect full VRB bonus. AF Times 33:19 Sep 6 '72

Career men lose in incentive shift. Bruce Callander. AF Times 33:1+ Sep 6 '72

Congress gets bonus package. Bob Horowitz. AF Times 32:1+ Apr 5 '72

Details sent to field on six-year re-ups. AF Times 33:10 Oct 25 '72

Drawing the line on lures. Bruce Callander. AF Times 32:13 Jul 26 '72

Early-out carries some peril for EM. AF Times 33:2 Dec 20 '72

Four, 6-year re-up choice starts Oct 1. AF Times 33:3 Aug 30 '72

'Late' VRB denied to airman; sailor wins his case. AF Times 33:10 Dec 13 '72

Length-of-hitch policy spelled out. AF Times 33:5 Nov 22 '72

Limits set on re-ups--some AFSCs 'full.' Bruce Callander. AF Times 32:1+ Jun 28 '72

Lump sum VRB cash limited. AF Times 33:5 Aug 16 '72

Many skills due to lose bonus. AF Times 33:6 Aug 9 '72

Mixup explained over outs program. AF Times 33:3 Dec 27 '72

More offered 6-year re-up. AF Times 33:3 Sep 20 '72

Most recruits in poll undecided on re-upping. AF Times 33:42 Sep 20 '72

NCOs can extend to get time in for retirement. AF Times 33:15 Nov 8 '72

New plan blow to early bonus--based on obligation. AF Times 33:3 Nov 22 '72

One-in-three first-termers stay aboard. AF Times 32:3 Feb 16 '72

PETS halted for two months. AF Times 32:1+ May 17 '72

'PETS' re-ups return in July. AF Times 32:67 Jun 7 '72

Prior-service enlistee rules changed. AF Times 32:17 Jan 5 '72

Pro pay and VRB juggled for 1973--support skills added. Bruce Callander. AF Times 32:1+ Apr 5 '72

REENLISTMENT - ContinuedAir Force--U. S. - Cont'd

Re-up objectives set--45 skills placed on 'surplus' list. AF Times 33:3 Dec 20 '72

6-year re-up nets \$10,000. Bruce Callander. AF Times 32:1+ Jul 12 '72

6-year re-up seen as career incentive. AF Times 32:36 May 3 '72

6-year re-up set, means top bonus. Bruce Callander. AF Times 32:1+ May 31 '72

Some skills to lose VRB. Bruce Callander. AF Times 32:1+ Jul 19 '72

Special pay boosts urged--flight pay, re-up bonuses. Randall Shoemaker. AF Times 32:1+ Feb 9 '72

Top bonuses go to needed slots--no 'spreading the wealth around.' Bruce Callander. AF Times 33:13 Sep 20 '72

VRB adds 23 AFSCs. Bruce Callander. AF Times 33:1+ Aug 23 '72

VRB skill-level rule ends--list covers ladders. AF Times 33:51 Aug 30 '72

VRB skill outlook brightens--bonus keyed to all-vol. AF Times 33:6 Nov 22 '72

Armed Forces--U. S.

Bonus package moves. (Congressional hearings begin) Bob Horowitz. AF Times 33:1+ Oct 4 '72

Bonus package nears House OK--'six pack' of benefits. Bob Horowitz. AF Times 33:3 Oct 18 '72

SRB (Selective Re-enlistment Bonus) proposal still pushed--despite Hill foes. AF Times 32:3 Mar 8 '72

Selective re-up bonus fruit of 20-year trend. Bruce Callander. AF Times 32:13 Apr 12 '72

Marine Corps--U. S.

ALMAR 16. MarCor Gaz 56:10 May '72

Navy--U. S.

'Late' VRB denied to airman; sailor wins his case. AF Times 33:10 Dec 13 '72

Reserve Forces--Armed Forces--U. S.

DOD directive limits Reserve Forces bonus--plan not yet approved. AF Times 32:6 Jun 21 '72

RE-ENTRY VEHICLES see Lifting Bodies

REEVES, Joseph M.

ADM Joseph Mason Reeves, USN (1872-1948). RADM John D. Hayes, Ret. illus Nav War Col Rev pt 1, To 1931: The engineering, gunnery and aviation years. 23:48-57 Nov '70; pt 2, 1931 to 1948: Commanding the U. S. fleet and in World War II. 24: 50-64 Jan '72

REFUELING see In-Flight Refueling

also subdivision under specific subjects, e. g.,  
Airplanes--Refueling  
Airplanes, Military--Refueling  
Helicopters, Military--Refueling  
Motor Vehicles--Refueling

REFUGEES

Refugees: Is humanitarianism possible? illus Govt  
Exec 4:22-23 Apr '72

REFUSE AND REFUSE DISPOSAL

Air Force solid waste management program. TIG  
Brief 24:5 Jun 2 '72

Incinerator-heating plant--element in city planning.  
Capt John R. Mullin, illus Mil Engr 64:418-421  
Nov-Dec '72

Navy environmental protection program. CDR Joseph  
A. D'Emidio, illus Mil Engr 64:402-405 Nov-  
Dec '72

Vietnam disposal agency. Capt Thomas M. Amenell.  
Review 51:21+ Jan-Feb '72

REGULATIONSAir Force

AWOL directive revised. AF Times 32:18 May 3 '72

Arms training revised (in AFR 50-57). AF Times  
32:45 Jul 26 '72

Counseling subjects added (in AFR 211-3). AF Times  
32:45 Jul 26 '72

Demotion reg (AFR 39-30) guarantees fair hearing  
for airmen. AF Times 32:2 Jan 5 '72

Insurance 'pitch' hit. AF Times 32:13 Apr 26 '72

New reg (AFR 168-1) updates health care rules. AF  
Times 32:22 Apr 5 '72

New reg (AFR 39-45) simplifies super-pay rules.  
AF Times 32:10 Jan 26 '72

Political activity by Air Force members. Contact 26:  
16-17 Jul-Aug '72

Pollution control pushed (in new AFR 9-1). AF Times  
32:6 Mar 15 '72

Reg (AFR 91-1) OKs hiring of cleaners. AF Times  
33:7 Sep 13 '72

30 officer jobs open to NCOs (in revised AFR 39-6).  
AF Times 32:19 Apr 19 '72

36 medical specialties--better use of consultants  
sought. AF Times 32:39 Apr 26 '72

Army

Case study: Army regs vs the ladies. Berl Brechner.  
AF Times, Family sup:12 Mar 15 '72

Salute. Lt Frank Justin. Infantry 62:39 Nov-Dec '72

REICH, Eli T.

The challenge of cost-to-produce. VADM Eli T.  
Reich, illus Def Mgt J 8:6-10 Apr '72

Industrial preparedness posture improved by revised  
procedures--proper planning eases peace to war  
transition. VADM Eli T. Reich, illus tabs Def  
Mgt J 8:36-40 Oct '72

REICH, Herman

Former military men have a place in defense indus-  
try. RADM Herman Reich, Ret. US Nav Inst Proc  
98:91-93 Aug '72

REILLY, Maurice R.

Air Force Engineering: New director. por Mil Engr  
64:128 Mar-Apr '72

REILLY, Maurice R. - Continued

Architect/engineers and military construction.  
(Army, Navy and Air Force construction pro-  
grams) (Adapted from papers, Architect/Engi-  
neer Conference on Federal Agency Construction  
Programs, St Louis, Nov 30, 1971) MajGen D. A.  
Raymond, RADM D. G. Iselin and MajGen M. R.  
Reilly, illus Mil Engr 64:166-169 May-Jun '72

MajGen M. R. Reilly becomes 10th Director of Air  
Force Civil Engineering. por AF Civil Engr  
13:9 Feb '72

RELIABILITY

See also subdivision under specific subjects,  
e. g.,  
Communications Equipment--Reliability  
Weapon Systems--Reliability

Optimum spares provisioning. Alan D. Bragg, illus  
tab Log Spectrum 6:2-4 Winter '72

Quality assurance and control. Col Justice B. King.  
illus Signal 27:34+ Nov '72

RELIGION AND RELIGIONS

God's kingdom of flying men. (Mission Aviation  
Fellowship of Fullerton, Calif) Martin Cole, illus  
Am Avn Hist Soc J 17:36-39 Spring '72

RELIGION IN THE ARMED FORCES

Chapel case cause for concern. George Foster. AF  
Times 33:13 Dec 6 '72

Chaplain management transmission file. TIG Brief  
24:13 Apr 7 '72

Chaplain program planning. TIG Brief 24:4 Sep 29 '72

Each base chapel open to all faiths. AF Times 32:37  
Mar 29 '72

Religious facilities and materiel. TIG Brief 24:11  
Apr 7 '72

Religious pluralism and Navy chaplains. CAPT R. G.  
Hutcheson, Jr. illus US Nav Inst Proc 98:116-119  
Feb '72

Word due on chapel for cadets (at AFA). AF Times  
32:3 Jul 19 '72

REMEDIAL READING

George is a verb. (Marine Corps effective reading  
course) illus Capt J. B. Swartzenberg. MarCor  
Gaz 56:29-31 Apr '72

Reading improvement. SMSgt Stanley H. Wallace,  
Ret. USAF Instrs J 9:19-21 Winter '71-'72

REMOTE CONTROL

See also  
Servomechanisms

REMOTE-ISOLATED DUTY

The coral carrier (Tern Island, French Frigate  
Shoals). A. Binion Amerson, Jr. illus maps  
Mil Engr 64:33-36 Jan-Feb '72

Life on a Pacific atoll (Christmas Island)--paradise  
or punishment? WgComdr D. L. Eley, illus Royal  
Air Forces Qtr 11:296-302 Winter '71

O'sea-CONUS moves: Fewer due to get two short  
tours. Bruce Callander. AF Times 33:1+  
Oct 11 '72

16 U.S. sites named as 'isolated' duty. AF Times  
32:3 Mar 15 '72



REMOTE-ISOLATED DUTY - Continued

The T-3 incident. (Fatal shooting on Navy Arctic drifting ice station) RADM C.O. Holmquist. illus US Nav Inst Proc 98:44-53 Sep '72

Workweek extended at many remote sites. Bob Towle. AF Times 33:1+ Oct 18 '72

REMOTELY PILOTED VEHICLESSee also

Drones

(AF studies operational applications for remotely piloted vehicles.) (From address, Electronic Industries Assoc's Symposium on Remotely Piloted Vehicles, Washington, May 31, 1971) John L. McLucas. AF Mag 55:24 Jul '72

Drones: Future fighter? RPVs could save lives and money in battle. (Summary of address, Electronic Industries Assoc meeting, May 1971) John L. McLucas. AF Times 32:37 Jun 21 '72

Electronic reconnaissance in Vietnam. illus Intl Def Rev 5:358-362 Aug '72

How Lunokhod was controlled. illus Soviet Mil Rev No. 3:34-35 Mar '72

Low-cost remotely piloted vehicles. LtCol Robert H. Jacobson. AU Rev 24:68-71 Nov-Dec '72

Strategic options and total force concepts. Interview. Gen George S. Brown. illus AF Mag 55:39-44 May '72

USAF maps RPV (Remotely-Piloted Vehicles) future. illus Armed Forces J 109:22 May '72

(Unmanned Arctic Research Submersible--UARS) Signal 27:60 Nov '72

RENDEZVOUS IN SPACE see Space Vehicles--Rendezvous and Docking

REPAIR see Maintenance and Repair

REPORT WRITING

The USAF hazard reporting system. TIG Brief 24:12 Feb 11 '72

Write it right! illus Approach 17:26-28 Jun '72

REPORTERS AND REPORTING

Did or did not the Army do in the dune? A case history in inaccurate journalism. Robert Ashby. illus AF Times, Family sup:6-7+ Feb 2 '72

Government--broadcasting--the public. Clay T. Whitehead. Signal 26:57-59 Jan-Feb '72

How to read your friendly daily newspaper. Bruce Callander. AF Times 32:13 May 10 '72

Media examine "backgrounders." Bruce Callander. AF Times 32:13 Jan 12 '72

The press and the Pentagon Papers. (Remarks preceding panel discussion on "Communications Media," Naval War College, 1971?) Neil Sheehan. illus Nav War Col Rev 24:8-12 Feb '72

The role of the communications media in a democratic society. (Lecture, Naval War College, 1971?) Barry Zorthian. illus Nav War Col Rev 24:1-7 Feb '72

They remember Ernie (Pyle). LtCol Bob Chick. illus Army 22:23-29 Feb '72

REPUBLIC OF VIETNAM see Vietnam (Republic)

RESCUE WORKSee also

Air Retrieval and Recovery Systems

Airplanes in Rescue Work

Helicopters in Rescue Work

Search and Rescue

Space Rescue

Vietnamese Conflict, 1957- --Search and Rescue Operations

Citizen-soldiers lend a helping hand. illus Army 22:26-28 Apr '72

In a time of need. (ARNG aids West Virginia flood victims) 1stLt Luther L. Walker. illus Natl Guardsman 26:2-9 Apr '72

Mercy logistics. (Army Alaska's rescue operations) illus Army Log 4:26-29 Nov-Dec '72

The O-5 (SS-66) is down! CAPT Julius Grigore, Jr. illus US Nav Inst Proc 98:54-60 Feb '72

SAR (Swiss Air Rescue Service)--rescuer with wings. illus tab Interavia 27:724 Jul '72

"They couldn't say 'thank you' enough." (The National Guard and the Rapid City, SD flood) illus Natl Guardsman 26:8-12 Jul '72

U.S., Philippines unite to provide giant flood aid. illus AF Times 33:28 Aug 30 '72

The war against water. (ANG and ARNG rescue work after Hurricane Agnes) illus Natl Guardsman 26:2-9+ Aug-Sep '72

What would you do? (Procedures for reporting a military aircraft accident) CW2 Gary M. Pollak. illus USA Avn Dig 18:26-28 Aug '72

RESEARCH see specific kinds of research, e.g.,

Aeronautical Research	Physiological Research
Antarctic Research	Psychological Research
Arctic Research	Research and Development
Astronomical Research	Scientific Research
Electronic Research	Space Research
Engineering Research	Underwater Research
Operational Research	

RESEARCH AND DEVELOPMENT

DDR&E pushes import-export of weapons technology. Interview. Robert A. Basil. illus tab Armed Forces J 109:46+ Aug '72

The Defense budget: Realities of deterrence and strategic priority. John S. Foster, Jr. Persp in Def Mgt, pp 1-5, Spring '72

Measuring supply effectiveness in R&D. Bernard P. Cutrera. illus tabs Log Spectrum 6:21-27 Winter '72

R&D--on staying in business. Maj Thomas Schwartz. Govt Exec 4:34 May '72

Technology and the establishment. Col Raymond C. Shreckengost. illus Nav War Col Rev 24:16-32 Mar '72

Weapons systems development--how do other nations control costs in developing weapons systems? (Based on statements of Robert Perry and Arthur J. Alexander before the Senate Armed Services Committee, Dec 7, 1971) Thomas A. Johnson. Army Log 4:12-14 Nov-Dec '72

Air Force--U.S.

Aerospace medical research in defense systems development. BrigGen George E. Schafer. illus Def Mgt J 8:39-44 Jul '72

RESEARCH AND DEVELOPMENT - ContinuedAir Force--U.S. - Cont'd

Air Force appropriations request, FY-73. (Statement to Senate Committee on Appropriations, Feb 16, 1972) Robert C. Seamans, Jr. illus tabs AF Pley Ltr for Comdrs: Sup No. 4:2-28 Apr '72

Air Force looks forward to return to prototyping. LtGen Otto J. Glasser. illus Def Mgt J 8:14-18+ Jul '72

B-52 decoy ideas sought--SCAD (Subsonic Cruise Armed Decoy) design. AF Times 32:18 Mar 8 '72

Program management. Gen George S. Brown. illus Ordnance 57:54-58 Jul-Aug '72

Super-search. (Look into the R&D field) illus Interceptor 14:16-17 Oct '72

X24B: A different style for movies. AF Times 32:39 Mar 15 '72

Armed Forces--Russia

National defense and national priorities. (Excerpts from study by the same name, prepared by the Council on Trends and Perspective of the Chamber of Commerce of the U.S.) tabs Signal 26:14-21 Apr '72; Excerpts from Chapter 3. Mil Rev 52: 68-79 May '72

Armed Forces--U.S.

Defense Documentation Center maintains depository of R&D reports. Robert H. Rea. illus Def Ind Bul 8:32-35 Winter '72

Guidelines for submission of unsolicited proposals (Army, Navy, Air Force). illus Def Ind Bul 8:1-17 Winter '72

RDT&E programs up 9.5% to \$8.5-billion. Brooke Nihart. tab Armed Forces J 109:38-39 Mar '72

Technology and the military. Stanley Sandler. illus US Nav Inst Proc 98:54-61 Mar '72

The technology coordination paper: A new look at the technology base. Gus D. Dorough, Jr and Capt Gordon H. Smith. illus Def Ind Bul 8:29-31 Winter '72

Army--U.S.

Army prototyping philosophy: Improve the acquisition process. MajGen George Sammet, Jr. Def Mgt J 8:7-10+ Jul '72

FMC and Lockheed will build ARSV (Armored Reconnaissance Scout Vehicle) prototypes. illus Armed Forces J 109:18 Jul '72

Feeding the military man (mission of Natick Laboratories). Edward E. Anderson. illus Army Log 4: 8-11+ Mar-Apr '72

IR&D (Infantry Research and Development Liaison Office): A customer relations department for Infantrymen. Capt Dan Parker. illus Infantry 62:40-41 Sep-Oct '72

Defense Dept--Great Britain

Britain's defense R&D under fire. John Marriott. Armed Forces J 109:28 Aug '72

Defence procurement--a heretical view? Ian Bellany. RUSI J for Def Studies 117:37-39 Mar '72

Defense Dept--Russia

Soviet military research. LtGen Arthur G. Trudeau. Ordnance 57:130-132 Sep-Oct '72

RESEARCH AND DEVELOPMENT - ContinuedDefense Dept--U.S.

Comment on the value of time and its effect on defense systems acquisition. John S. Baumgartner. illus Def Mgt J 8:53-56 Jul '72

Complex defense systems require good design teams with less people. Albert Shapero. tabs Def Mgt J 8:34-38 Jul '72

Improving R&D management through prototyping. David Packard. illus Def Mgt J 8:3-6 Jul '72

Military R&D--the myths and the realities. (Address. AFA Convention, Washington, Sep 17-21, 1972) John S. Foster, Jr. illus AF Mag 55:67-71 Nov '72

The mission is to regain momentum (in Defense research and development). illus Govt Exec 4:28-29 May '72

National defense and national priorities. (Excerpts from study by the same name, prepared by the Council on Trends and Perspective of the Chamber of Commerce of the U.S.) tabs Signal 26:14-21 Apr '72; Excerpts from Chapter 3. Mil Rev 52: 68-79 May '72

R&D laboratories make progress despite regulations, risk and embarrassment. Bernard Smith. illus Def Mgt J 8:29-33+ Jul '72

RDT&E programs up 9.5% to \$8.5-billion. Brooke Nihart. tab Armed Forces J 109:38-39 Mar '72

Research and technology work unit information system. TIG Brief 24:20 May 5 '72

The technology coordination paper: A new look at the technology base. Gus D. Dorough, Jr and Capt Gordon H. Smith. illus Def Ind Bul 8:29-31 Winter '72

Costs

FY 73 audit trail through the 92d Congress. (Weapons procurement and R&D) Table only. Armed Forces J 110:16-17 Dec '72

Marine Corps--U.S.

R&D news. Regular feature in some issues of Marine Corps Gazette

Navy--U.S.See also

Underwater Research

Ammi--the underwater elevator. John G. Norris and Robert J. Boylan. illus Sea Power 15:24-27 Mar '72

Prototyping for Navy must contribute to reliable and effective systems with minimum lead time and cost. VADM Ralph Weymouth. illus tab Def Mgt J 8:11-13 Jul '72

Thoroughly modern management. Richard Boyle. illus US Nav Inst Proc 98:34-40 Oct '72

NATO

Allied Command Atlantic's Antisubmarine Warfare Research Centre. illus NATO's Fifteen Nations 17:70-75 Feb-Mar '72

Russia

RDT&E horserace: Is a neck enough? illus Govt Exec 4:23-25 Apr '72

RESEARCH AND DEVELOPMENT - ContinuedRussia - Cont'd

The Soviet economy. Hans Heymann, Jr. Forum No. 16:50-59 Fall '72

United States

The budget's view of research and development. Caspar W. Weinberger. illus Govt Exec 4:35 Mar '72

Computer R&D: A field of explosive potential and growth. illus Govt Exec 4:48-49+ Sep '72

Double mileage from the military R&D dollar. Interview. William M. Magruder. illus AF Mag 55:34-39 Apr '72

IR&D Data Bank established--undergoes three-year test. David D. Acker. tabs Def Mgt J 8:45-48+ Jul '72

Politics & economics: Do they prevent the meaningful use of aerospace technology? Govt Exec 4:56+ Sep '72

RDT&E horserace: Is a neck enough? illus Govt Exec 4:23-25 Apr '72

Research in universities. Theos J. Thompson. Ordnance 57:214-216 Nov-Dec '72

Technology tomorrow. William L. Lehmann. illus Ordnance 56:369-371 Mar-Apr '72

The university campus: Why military-sponsored research? LtCol Aubrey F. Messing. illus Mil Rev 52:54-62 Dec '72

Costs

Getting a handle on how technology spins. Interview. Edward David. illus Govt Exec 4:74+ Aug '72

RESEARCH CENTERS

Allied Command Atlantic's Antisubmarine Warfare Research Centre. illus NATO's Fifteen Nations 17:70-75 Feb-Mar '72

RESERVATIONS, AIRPLANE see Airlines--Passenger ServiceRESERVE FORCES

Militias in the missile age. Walter C. Clemens, Jr. illus tab Mil Rev 52:28-47 Aug '72

Air Force--U.S.

(AF) Reserve to add 6 units. AF Times 32:19 Jul 26 '72

AFRes personnel system update set by July '73. AF Times 33:62 Aug 9 '72

AFRes tightens criteria for bars (through the Deserving Airman Commissioning program by adding ECI Reserve Officer Preparatory Course). AF Times 33:47 Sep 6 '72

Air Force Reserve Act One. Capt Robert Groom. illus Air Reservist 24:5 Mar '72

Air Force Reserve and total force concept. (Address, Inter-Allied Confederation of Reserve Officers, Washington, Aug 11, 1972) MajGen Homer I. Lewis. AF Ploy Ltr for Comdrs: Sup No. 10:9-12 Oct '72

Air Force Reserve recruiting thrust vested in Reserve commanders. TIG Brief 24:8 Mar 10 '72

Andrews (AFB, Md), Grissom (AFB, Ind) win 'Comfort Silver.' illus AF Times 33:54 Oct 4 '72

RESERVE FORCES - ContinuedAir Force--U.S. - Cont'd

Career Reserve status. TIG Brief 24:7 Mar 10 '72

Comfort Silver--Reserve airlift, gunnery meet. Maj Robert W. Hunter. illus AF Mag 55:88-89 Nov '72

Competitions--Comfort Silver, Combat Airlift, William Tell. illus Air Reservist 24:4-5 Nov '72

EM Palace Chase bids suspended. AF Times 33:8 Dec 20 '72

Employer support of the Guard and the Reserve. (Report on NG and Reserve Forces Seminar, AFA Convention, Washington, Sep 20, 1972) Maj Robert W. Hunter. illus AF Mag 55:82-86 Nov '72

Exercises Brave Shield, North Forty 1 and Deep Furrow. illus Air Reservist 24:8-10 Mar '72

Exercises Deep Furrow, Creek Party, Polar Cap, Rivet Switch. illus Air Reservist 24:6-7 Nov '72

Expertise, experience and the C-130. illus Air Reservist 24:6-7 Apr '72

Few ROTC grads take Reserve deal. AF Times 32:2 Jun 28 '72

59 units open to Palace Chase. AF Times 33:23 Sep 13 '72

Flood relief... Civic Action works. illus Air Reservist 24:8-9 Aug-Sep '72

Gallant Hand '72. illus Air Reservist 24:8-9 May '72

Guard, Reserve bids broadened in 'Chase.' AF Times 33:10 Aug 30 '72

Incentive need cited by Reserve Forces. Gene Spooner. AF Times 33:3 Sep 13 '72

It's nice to be back in the fighter business. (434th Special Operations Wg, Grissom AFB, Ind) illus Air Reservist 24:10-11 May '72

Mass inoculations. (Domestic Action Program of the Air Force Reservists, Lowell, Mass) Lou Osborne. illus Air Reservist 24:6-7 Feb '72

'M(obilization)-day' records shifted from bases. AF Times 33:5 Aug 23 '72

More EM get early release. AF Times 32:3 May 10 '72

A new ballgame. (Difference between "driving" a C-124 Globemaster and handling the F-105 Thunderchief) illus Air Reservist 24:10-11 Jul '72

New ideas in community service (for Air Reserve and Air Guard units). Col Frank Martineau. illus Air Reservist 23:4-7 Dec '71-Jan '72

New plan toughens Reserves. Gene Spooner. AF Times 33:1+ Aug 30 '72

New requirement added to Palace Chase. AF Times 33:22 Nov 1 '72

On-base recruiting drive OK'd for Reserves, Guard. AF Times 32:20 Jan 5 '72

Outstanding Unit Award (to USAFR and ANG units). illus Air Reservist 24:3 Nov '72

Palace Chase. TIG Brief 24:20 May 19 '72

Palace Chase AFSCs listed. AF Times 33:22 Sep 20 '72

Palace Chase 'dropouts' may face recall. AF Times 33:50 Nov 1 '72



RESERVE FORCES - ContinuedAir Force--U.S. - Cont'd

- 'Palace Chase' lists 14 state openings. AF Times 33:10 Oct 18 '72
- Palace Chase provisions expanded. TIG Brief 24:6 Oct 27 '72
- Palace Chase, unit shifts overlap--8,000 want Reserve transfers. AF Times 32:55 Apr 19 '72
- Reserve Forces will play a larger role. Gen John D. Ryan. TIG Brief 24:1 Jun 30 '72
- Reserve readiness--the name of the game at TAC. BrigGen Howard T. Markey. illus AF Mag 55: 56-59 Oct '72; Adaptation. Air Reservist 24: 10-11 Nov '72
- Reserve star eligibility tightened. AF Times 32:17 Jan 5 '72
- The Reserves--a new mission. Gen John D. Ryan. illus Officer 48:14+ Jun '72
- Reserves list point values for retirees. tab AF Times 32:8 Jan 26 '72
- Reserves pay hike. tab AF Times 32:46 Jan 19 '72
- Reserves to lift lid on NCOs. Gene Spooner. AF Times 32:4 Jul 5 '72
- Routine to the unaware. (From Albatross to Choctaw: The 304th ARRSq makes a difficult transition safely and smoothly) George M. Myers. illus MAC Flyer 19:12-13 Nov '72
- Seamans OKs many bids of Reserve Forces panel. Paul Collins. AF Times 32:20 May 31 '72
- A 'shot' of care. (MAC Reservists conduct inoculation program, Lowell, Mass) Sgt Charles Wood. illus Airman 16:28-29 May '72
- "Summertime... and the living is easy." (ANG and USAFR summer training tours) illus Air Reservist 24:3-11 Oct '72
- TAC/ANG/AFRES Advisory Safety Council. illus TAC Attack 12:27 Jul '72
- 'TOPREP' (Total Objective Plan for USAF air Reserve Personnel) controls Reserve careers. AF Times 33:13 Oct 4 '72
- Technician slots available--ANG, Reserve positions. Gene Spooner. AF Times 32:8 Jul 19 '72
- Transfers to AFRes mounting. AF Times 32:5 Apr 26 '72
- 2,700 in line to leave early--transfer to Reserves. AF Times 32:1+ Apr 5 '72
- Units open under Palace Chase for eligibles--one to six years required by shift. AF Times 32:4 Apr 5 '72
- WAPS for Reserves still far off. AF Times 32:41 Jul 26 '72

History

- ANG-USAFR are also (25). illus Air Reservist 24: 4-5 Aug-Sep '72

Statistics

- Reserve Forces gain men despite zero draft quotas. Paul Collins. AF Times 32:3 Feb 16 '72

Armed Forces--Israel

- Soldiers for a lifetime in the Israeli Reserve Forces. Jac Weller. illus Natl Guardsman 26:2-7 Dec '72

RESERVE FORCES - ContinuedArmed Forces--NATO

- More than 500 attend 25th Congress (of the Interallied Confederation of Reserve Officers) in Washington. illus Officer 48:28-29 Sep '72
- Reserve's mini-Olympics. (NATO/CIOR 1972 competition) SP4 Chuck Noland. illus Soldiers 27:37-39 Oct '72

Armed Forces--U.S.

- Adjutants General (Assoc, Annual Conference, Reno, Nev, May 1972) focus on people and readiness. illus Natl Guardsman 26:22-25 Jun '72
- Aid for Reserve Forces--business group growing. AF Times 33:19 Sep 13 '72
- Army, AF set up CD (Civil Defense) assignments--new positions open to Reservists. AF Times 32:47 Jul 26 '72
- Combat-ready status ordered for Reserves. Ed Gates. AF Times 32:1+ Mar 1 '72
- Commitment to Defense Department human goals. (Reserve Components Domestic Action Program awards) illus Air Reservist 24:6-7 Jun '72
- Conscription for the Reserves. Maj Carmen J. Cavezza. MarCor Gaz 56:59-60 Sep '72
- DOD would let retirees collect Reserve drill pay. Bob Horowitz. AF Times 32:17 Apr 26 '72
- An exchange of ideas. (Ad hoc group of Guardsmen and Reservists rap with each other and with Pentagon officials) Natl Guardsman 26:30 Apr '72
- For strong Reserve Forces. (Inaugural address, ROA National Convention, Bal Harbour, Fla, June 1972) BrigGen Robert D. Upp. illus Officer 48:3+ Aug '72
- The future of the Reserves: Military mystery of the decade ahead. tab Officer 48:8+ Jan '72
- GM inks Reserve pact. Ed Gates. AF Times 33:1+ Dec 27 '72
- House panel OKs vets' insurance. AF Times 32:22 May 17 '72
- Insurance coverage for Reserves. Armed Forces J 109:13 Jul '72
- Mileage limit set for Reserves. AF Times 33:46 Dec 13 '72
- Power to the people. Capt Charles C. McCloskey III and Norman J. Brodoski. illus Mil Engr 64:388-390 Nov-Dec '72
- ROA asks House committee for continuing Reserve strength increases. (Excerpts from statement before House Armed Services Subcommittee) Col John T. Carlton. illus Officer 48:12+ May '72
- Reserve Component philosophy: "Tender, loving care." LtGen Harris W. Hollis. Def Mgt J 8:57-59 Oct '72
- Reserve Forces and employers: Partners in national security. Roger T. Kelley. illus Def Mgt J 8:50-56 Oct '72
- Reserve instead of Selective Service. Officer 48:24 Sep '72
- Revitalizing Reserves. (Excerpts from Defense Posture Statement) Melvin Laird. illus Officer 48:10-11 Apr '72

RESERVE FORCES - ContinuedArmed Forces - U.S. - Cont'd

- Rule (by U.S. District Court) on Reserves (commissions held by congressional members) appealed. Officer 48:11 Jan '72
- Selling the Reserve program. Maj Ernest T. Fitzgerald. MarCor Gaz 56:52-53 Apr '72
- Senate committee concerned over all-volunteer force target date. illus Officer 48:14 Sep '72
- Study reports Reserves best buy for readiness. AF Times 32:8 Jan 26 '72
- Tax breaks for Reservists--part-timers' problems analyzed. Bill Kreh. AF Times 32:41 Mar 15 '72
- The total force concept: An Air Force view. LtCol Richard J. Toner. illus AU Rev 24:2-9 Nov-Dec '72
- Value and cost of the Reserves: Laird-Nixon policy. Editorial. illus Officer pt 1, 47:6 Nov '71; pt 2, 47:6+ Dec '71; pt 3, 48:6-7 Jan '72
- The view from Capitol Hill. Interview. Barry Goldwater. illus Natl Guardsman 26:2-7 Mar '72
- "Well equipped... Guard and Reserve most economical part of... defense." (Excerpts from report to the President and Congress) Melvin R. Laird. illus Officer 48:24+ Dec '72
- What's "big" in '72? (Adjutants General Assoc and NGAUS Executive Council meetings, Washington, Jan 1972) illus Natl Guardsman 26:22-25+ Feb '72
- Your future as a veteran. illus tabs AF Times pt 1, Yes, vets, some do care. Larry Carney. 32:5-6 Oct 13 '71; pt 2, On-duty Transition does help. Bob Schweitz. 32:5-6 Oct 20 '71; pt 3, VA benefits aren't automatic. Bill Drach and Louis Dorsch. 32:42-43 Oct 27 '71; pt 4, GI Bill 'student body' growing. Larry Carney. 32:42-43 Nov 3 '71; pt 5, Vet unemployment dips. Larry Carney. 32:41-42 Nov 10 '71; pt 6, Disability pay confusing. Mel Jones. 32:46-47 Nov 17 '71; pt 7, VA caters to 'new vet.' George Marker. 32:43-44 Nov 24 '71; pt 8, GI home buying gets new life. George Marker 32:45-46 Dec 1 '71; pt 9, SGLI conversion tips. Bill Kreh. 32:50-51 Dec 8 '71; pt 10, The beneficiary snag. Ruth Chandler. 32:37 Dec 15 '71; pt 11, How 'bout the Reserves. Ed Gates. 32:30-31 Dec 22 '71; pt 12, Dear Congressman. Robert S. Horowitz. 32:29 Dec 29 '71; pt 13, Vet groups fill a void. Tony Hale. 32:31 Jan 5 '72

History

- The Reserves and National Guard: Their changing role in national defense. John R. Probert. illus Nav War Col Rev 24:66-75 May '72

Statistics

- ROA asks House committee for continuing Reserve strength increases. (Excerpts from statement before House Armed Services Subcommittee) Col John T. Carlton. illus Officer 48:12+ May '72

Army - U.S.

- Army support of coalition security. LtCols Zeb B. Bradford, Jr and Frederick J. Brown. illus Mil Rev 52:4-21 May '72
- Engineer Reserves on construction. Maj Karl F. Schmid. illus Mil Engr 64:23-24 Jan-Feb '72
- (Excerpts from AUSA's Annual Meeting, Washington, Oct 9-11, 1972). Eric C. Ludvigsen. illus Army 22:37-42 Nov '72
- In Reserves, watchword is relevance. LtGen Harris W. Hollis. illus Army 22:74-80 Oct '72

RESERVE FORCES - ContinuedArmy - U.S. - Cont'd

- Is Pentagon Reserve planning realistic? BrigGen Lynn D. Smith, Ret. illus Army 22:12-17 Feb '72
- The Marines cut a Gordian knot. LtCol William V. Kennedy. US Nav Inst Proc 98:109-111 Dec '72
- Move of the century (from Kentucky to Louisiana and back for Army Reserve summer training). Harold L. Craven. illus Translog 3:2-5+ Sep '72
- Mutual support. illus Natl Guardsman 26:2-9 Feb '72
- Mutual support in Army Aviation. LtCol Arthur E. Magary. illus USA Avn Dig 18:34-35 Mar '72
- The new challenge (for Army Aviation). LtGen John J. Tolson. illus USA Avn Dig 18:2-3+ Dec '72
- Partners in defense transportation. (MOBilization DESignee (MOBDES)) Michel R. Scott. illus Translog 3:10+ Jun '72
- Repercussions from the Vietnam mobilization decision. LtCol John D. Bruen. illus Parameters 2: 30-39 Spring-Summer '72
- Roberts asks for motivational training incentives in new citizen-soldier Army. MajGen J. Milnor Roberts. illus Officer 48:10+ Aug '72
- Toward real Reserve readiness: The case for the cadre system. Gen Hamilton H. Howze, Ret. Army 22:12-16 Aug '72
- Transportation in Reserve. Col Robert J. Huddleston. illus Def Trans J 28:46-48+ Sep-Oct '72
- Westmoreland praises "critical role"--Army's challenges comparable to Pershing's day. Gen William C. Westmoreland. Officer 48:11+ Mar '72

Organization

- Army Aviation Reserve. MajGen J. Milnor Roberts. illus map USA Avn Dig 18:4+ Mar '72

Coast Guard - U.S.

- Congressman Alexander Pirnie honored as the "savior of the Coast Guard Reserve." illus Officer 48:10 Jan '72
- The present role of the U.S. Coast Guard Reserve. ADM Chester R. Bender. illus Officer 48:18+ Dec '72

Marine Corps - U.S.

- The Marine Corps community team (in Albuquerque, NM). Capt Allen E. Weh. illus MarCor Gaz 56: 30-33 Oct '72
- The Marine Corps Reserve. GySgt Frank A. Pearsall. MarCor Gaz 56:34-36 Oct '72
- The Marines cut a Gordian knot. LtCol William V. Kennedy. US Nav Inst Proc 98:109-111 Dec '72
- The Marines still need "a few good men" such as those in the organized MCR. Gen Robert E.ushman, Jr. illus Officer 48:12-13 Sep '72

- Selling the Reserve program. Maj Ernest T. Fitzgerald. MarCor Gaz 56:52-53 Apr '72

Navy - U.S.

- Cost-effective Reserve Forces. CDR James G. Abert. illus US Nav Inst Proc 98:52-61 Nov '72
- Give us the ships! LCDR A.A. Balunek, Ret. illus US Nav Inst Proc 98:34-43 Apr '72

RESERVE FORCES - ContinuedNavy - U.S. - Cont'd

Gone is the warning time. Sweeping change makes Naval Reserve 'readier' than ever. RADM Edwin M. Rosenberg. illus Sea Power 15:28-33 Mar '72

History

Naval Reserve Aviation Base, Long Beach (Calif), 1929-1942. Allen E. Morgan. illus Am Avn Hist Soc J pt 1, The early years. 16:280-285 Winter '71; pt 2, Major training base buildup to WW II. 17:30-35 Spring '72; pt 3, Post script. 17:191-199 Fall '72

Organization

Naval Reserve's role in the total Force. ADM Elmo R. Zumwalt, Jr. illus Officer 48:11+ Jul '72

RESERVE OFFICERS ASSOCIATION OF THE U.S.

CDR George Evans, Jr named (ROA) Chaplain of the Year. illus Officer 48:15 Feb '72

Congressman Alexander Pirnie honored as the "savior of the Coast Guard Reserve." illus Officer 48:10 Jan '72

Dynamic legislative program of ROA needed for Reserves and Defense. BrigGen Robert D. Upp. illus Officer 48:3+ Sep '72

Gen (Gerald A.) Hart reviews a milestone year at the (ROA National) Convention (Bal Harbour, Fla, June 1972). illus Officer 48:4 Aug '72

Legislative report on pertinent bills (introduced in the 92d Congress of interest to ROA members). Table only. Officer 48:20-21 Dec '72

Legislative report on pertinent bills (introduced in the 92d Congress of primary interest to ROA members, updated from Officer, Dec 1971). Table only. Officer 48:10 Jul '72

ROA asks House committee for continuing Reserve strength increases. (Excerpts from statement before House Armed Services Subcommittee) Col John T. Carlton. illus Officer 48:12+ May '72

ROA asks that strength of regulars not be jeopardized. (Excerpts from statement to House Appropriations Committee, 1972) Col John T. Carlton. Officer 48:20 Jun '72

ROA endorses H.R. 2 for Services University of the Health Sciences. Officer 48:18 Mar '72

ROA members create permanent memorial in (Minute Man Memorial) Building as tribute to career of MajGen Bill Sutton. illus Officer 48:31 Oct '72

(ROA National Convention, Bal Harbour, Fla, June 27-30, 1972) illus Officer 48: entire issue Aug '72

ROA testifies on survivor's benefits--HR-10670. Officer 48:7 Sep '72

(Reports of Mid-Winter Conference, Washington, Feb 24-25, 1972) illus Officer 48: entire issue Apr '72

Directories

ROA directory (of) department officers 1972-1973. Officer 48:15-18 Oct '72

RESERVE OFFICERS TRAINING CORPS

The descending spiral of amilitarism. Col Richard F. Rosser. illus AF Mag 55:64-69 Jun '72

RESERVE OFFICERS TRAINING CORPS - ContinuedAir Force

AFROTC and USAFA: Time for a change. Col Frederick C. Thayer, Ret. illus AF Mag 55:58-61 Jul '72

Blue-suiters quit hostile campuses. AF Times 32:9 Mar 1 '72

Blueing of the gray. (AFROTC at the Citadel) Capt Brian T. Ternamian. illus Airman 16:32-34 Oct '72

Curbs put on ROTC 'delays.' AF Times 32:20 Feb 2 '72

Enlistment and discharge of AFROTC cadets. TIG Brief 24:7 Dec 22 '72

Few ROTC grads take Reserve deal. AF Times 32:2 Jun 28 '72

1,509 win AFROTC commissions. AF Times 32:47+ May 10 '72

Hair rule eased in Junior ROTC. AF Times 33:19 Sep 27 '72

High school ROTC opened to girls. AF Times 32:41 Aug 2 '72

1,057 in AFROTC win grants--scholarships run 18 to 42 months. AF Times 32:41-42 Mar 29 '72

ROTC dropouts face involuntary service. AF Times 33:8 Nov 1 '72

ROTC instructors sought--30 schools need colonels. AF Times 32:8 Jul 12 '72

ROTC production poses problems. George Foster. AF Times 32:13 Jan 5 '72

Rated-ROTC program studied for airmen. AF Times 33:4 Nov 22 '72

A second career (as assistant aerospace education instructor in the AFJROTC program). SMSgt Alfred L. McKown, Ret. illus USAF Instrs J 9: 25-28 Winter '71-'72

10 more (colleges) set for AFROTC. AF Times 32:13 Jan 19 '71

33 schools will get Jr ROTC. AF Times 32:18 Mar 29 '72

312 win commissions. AF Times 33:17 Nov 8 '72

Statistics

AFROTC showing signs of increased vitality despite enrollment drop. AF Times 33:2 Nov 15 '72

Armed Forces

AFers still to attend anti-ROTC schools. AF Times 32:4 Mar 8 '72

AFROTC quality increases. AF Times 32:1+ May 17 '72

DOD moves to upgrade ROTC on campus. AF Times 33:13 Nov 29 '72

Engineers in the ROTC--1972. illus tabs Mil Engr 64:343-347 Sep-Oct '72

Mood quiets on campus--anti-militarism fades. AF Times 32:21 Feb 16 '72

Proposals would up JROTC units. AF Times 32:36 May 3 '72

ROTC campus trend now "reversing." Officer 48:28 May '72

ROTC scholarships for women. Armed Forces J 109:13 May '72



RESERVE OFFICERS TRAINING CORPS - ContinuedArmed Forces - Cont'd

ROTC's battle and survival at Ohio State. John T. Bonner, Jr. illus Army 22:40-44 Feb '72

Up from 'Mickey Mouse'--military affairs in the curriculum (at Hofstra). Robert Sobel. illus Army 22:18-22 Jan '72

Statistics

ROTC enrollments hit record low, but decline slows. AF Times 33:4 Dec 27 '72

Army

Army, Navy ROTC woo the gals. Officer 48:28+ May '72

At the gap. (RECONDO training at Indiantown Gap Military Reservation, Harrisburg, Pa) Capt Charles G. Cavanaugh, Jr. illus Soldiers 27:30-35 Sep '72

Sec Froehlke announces 1,110 high school senior (ROTC) scholarships. illus Officer 48:26 Jun '72

Vast CONARC: Forger of men and new ideas. Gen Ralph E. Haines, Jr. illus Army 22:26-33 Oct '72

What is military science? LtCol Henry G. Phillips, Ret. illus Mil Rev 52:35-41 Nov '72

Marine Corps

JROTC cadet corps flourishing. Col Martin J. Sexton, Ret. illus MarCor Gaz 56:49-51 Oct '72

Navy

Army, Navy ROTC woo the gals. Officer 48:28+ May '72

NROTC--a quality education. CDR N.T. Hansen. illus tabs US Nav Inst Proc 98:110-111 Sep '72

A Navy without weapons? (Elimination of naval weapon course from the NROTC curriculum) John T. Bonner, Jr. illus US Nav Inst Proc 98:113-115 Feb '72

The Officer Educational Specialist--a proposal. LT John B. Washbush and LCDR Lee R. Hess, illus tab US Nav Inst Proc 98:116-118 Jul '72

RESERVES see Reserve Forces

RESOURCE MANAGEMENT SYSTEMS

Better resource management. Gen John C. Meyer. illus AF Compt 6: back cover Oct '72

Developing resource management systems for Asian defense. Albert J. Martin. illus Armed Forces Compt 17:8-9+ Spring '72

Output measures. Edmund W. Edmonds, Jr. illus tabs Armed Forces Compt 17:32-35 Winter '72

PRIME \$. Maj Michael H. Conner and Edwin A. Bump. illus MarCor Gaz 56:26-30 Feb '72

Priority and precedence in allocation of Air Force resources. tab TIG Brief 24:5-6 Jul 28 '72

Work measurement essential to resource management. Eckhard Bennewitz. illus Def Mgt J 8: 30-35 Oct '72

RESOURCES CONSERVATION PROGRAM

Air Force Resources Conservation Program. Maj Mark A. McBriarty. illus AF Compt 6:13-14 Apr '72

RESOURCES CONSERVATION PROGRAM - Continued

RECON (REsources CONservation program) at base level. Capt Eric M. Stollée. illus AF Compt 6:34-35 Jul '72

REsources CONservation (RECON) Program. TIG Brief 24:18 May 19 '72

RESPIRATION

Effect of underwater breathing apparatus and absolute air pressure on divers' ventilatory capacity. J. B. Morrison and W. S. Butt. illus tabs Aerosp Med 43:881-886 Aug '72

Effects of externally imposed mechanical resistance on breathing dense gas at exercise: Mechanics of breathing. Richard R. Uhl and others. illus tabs Aerosp Med 43:836-841 Aug '72

Myth of nitrogen equality in respiration: Its history and implications. John H. Cissik and Robert E. Johnson. tab Aerosp Med 43:755-758 Jul '72

Narcotic effects in man of breathing 80-20 argon-oxygen and air under hyperbaric conditions. Barry Fowler and Kenneth N. Ackles. illus tabs Aerosp Med 43:1219-1224 Nov '72

Production of gaseous nitrogen during human steady state exercise. John H. Cissik and others. illus tabs Aerosp Med 43:1245-1250 Nov '72

Pulmonary air-trapping induced by water immersion. Gunnar O. Dahlback and Claes E. G. Lundgren. illus tabs Aerosp Med 43:768-774 Jul '72

Regression analysis for steady state N<sub>2</sub> inequality in O<sub>2</sub> consumption calculations. John H. Cissik and Robert E. Johnson. illus tabs Aerosp Med 43:589-591 Jun '72

REST AND RECUPERATION

Taiwan removed from R&R plan. AF Times 32:8 Mar 29 '72

Where the waiting ends (Hawaii R&R Center). Sgtl C Carl Martin. illus Soldiers 27:29-31 Jan '72

RETENTION OF MILITARY PERSONNEL

ATC makes case for staying in--new approach to wage comparison. Bruce Callander. AF Times 32:13 Jun 28 '72

Big bonuses asked to retain doctors. Bob Horowitz. AF Times 32:1+ Mar 22 '72

Commissary users save \$62 monthly. AF Times 32:5 Mar 8 '72

The dilemma of the junior officer. CDR Arthur M. Osborne. US Nav Inst Proc 98:120-121 Apr '72

Drawing the line on lures. Bruce Callander. AF Times 32:13 Jul 26 '72

An exchange of ideas. (Ad hoc group of Guardsmen and Reservists rap with each other and with Pentagon officials) Natl Guardsman 26:30 Apr '72

The Matterhorn affair--recruiting becomes Navy's number one priority. James D. Hessman. illus Sea Power 15:32-35 Jun '72

Most recruits in poll undecided on re-upping. AF Times 33:42 Sep 20 '72

NavCad or college grad? (Recruitment, education, and retention of naval aviators) CAPT James E. Williams. illus US Nav Inst Proc 98:49-53 Apr '72

RETENTION OF MILITARY PERSONNEL - Continued

New selection, retention methods studied by Army. Interview. LtGen George I. Forsythe. Armed Forces J 109:16-17 Feb '72

One-in-three first-termers stay aboard. AF Times 32:3 Feb 16 '72

Pay plan for fliers aimed at 'mid years.' Bruce Callander. AF Times 32:13 Mar 1 '72

Priority aggregate strength. BrigGen James S. Brooks. tabs Natl Guardsman 26:10-12 Feb '72

'Pros' talk shop about motivation (at AF Career Motivation Conference, Maxwell AFB, Ala, June 5-9, 1972). AF Times 33:20 Aug 23 '72

Renaissance in ATC. Ted R. Sturm. illus Airman 16:8-12 Apr '72

Reserve support units need help. Armed Forces J 110:10 Dec '72

Rotation study aims at better retention. Randall Shoemaker. AF Times 32:1+ Apr 19 '72

RETIRED MILITARY PERSONNEL

CSC retiree study shows 77,655 on U.S. payroll. AF Times 33:1+ Dec 13 '72

Call me mister. I guess. MajGen Perry B. Griffith, Ret. illus Army 22:30-34 Jan '72

Council to promote retiree rights--direct line to active Force. Ed Gates. AF Times 33:3 Dec 6 '72

DOD would let retirees collect Reserve drill pay. Bob Horowitz. AF Times 32:17 Apr 26 '72

Disabled WAF (Capt Claire E. Brou, Ret) gets \$100,000. Bob Horowitz. AF Times 33:1+ Oct 11 '72

"Early retirement": Is it worth the price? David Nesenholtz. illus tabs Mil Rev 52:23-35 Jul '72

Former military men have a place in defense industry. RADM Herman Reich, Ret. US Nav Inst Proc 98:91-93 Aug '72

Lavelle and disability. Ed Gates. tab AF Times 33:13 Oct 25 '72

The military-industrial complex and antimilitarism--the role of retired officer employment. Arthur D. Larson. illus tabs AU Rev 23:26-33 May-Jun '72

The military retiree--forgotten firehorse. Col Victor J. Croizat, Ret. illus US Nav Inst Proc 98:63-69 Jul '72

O'seas bases curb benefits--retiree outlook. AF Times 32:30 Mar 22 '72

Retiree job program (Project Referral) killed. AF Times 33:41 Nov 8 '72

Retirees bumped from air charters. Armed Forces J 109:10+ Jul '72

Retirees on U.S. payroll: Pay of most is modest. tab AF Times 33:13 Dec 27 '72

Retirement supplement. AF Times 32:28p sup opposite p 30 Apr 19 '72; 33:32p sup opposite p 32 Sep 27 '72

A second career (as assistant aerospace education instructor in the AFJROTC program). SMSgt Alfred L. McKown, Ret. illus USAF Instrs J 9: 25-28 Winter '71-'72

The Senator wants more analysis (of retired officers in defense industry)--but what kind? Interview. William Proxmire. Armed Forces J 109:38+ May '72

RETIRED MILITARY PERSONNEL - Continued

Teaching--a second career. Col George R. Goodwin, Ret. illus Armed Forces Compt 17:15-17+ Winter '72

Statistics

Half of NCOs retire in top grades. tab AF Times 32:6 May 3 '72

Retired go west for federal jobs. AF Times 33:4 Dec 20 '72

Where retirees live: DC area shows growth. tab AF Times 33:6 Sep 6 '72

RETIRED SERVICEMAN'S FAMILY PROTECTION PLAN

(The Pike Bill) Officer pt 1, Pike Subcommittee report explains bill establishing military survivors benefits plan. 47:22 Nov '71; pt 2, Senate now has for consideration new bill for survivors benefits as passed by the House. 47:22-23 Dec '71; pt 3, Provisions for benefits for military survivors contained in bill awaiting Senate action. 48:22 Jan '72; pt 4, Dependent children would be provided for until 18 years of age, or 22. 48:11 Feb '72; pt 5, Civil Service retirement may be substituted. 48:9+ Mar '72; pt 6, Widow, children benefits. 48:12+ Apr '72

ROA testifies on survivor's benefits--HR-10670. Officer 48:7 Sep '72

(Senate) committee OKs bill for widows. AF Times 33:20 Aug 23 '72

Widow aid plan ready to roll--Nixon signing anticipated. AF Times 33:3 Sep 27 '72

Widows' bill passes. AF Times 33:1+ Sep 20 '72

RETIREMENTSee also

Discharges, Releases and Separations

Air Force--U.S.

AFSC surgeon (BrigGen Harold F. Funsch) retires. AF Times 32:31 Feb 23 '72

Abrams' OK hinges on Lavelle probe (and other star actions announced). AF Times 32:4 Jul 12 '72

BrigGen Funsch (Command Surgeon, AFSC) retires. illus Aerosp Med 43:354 Mar '72

'Buzz' Aldrin to retire. AF Times 32:5 Jan 26 '72

Council to promote retiree rights--direct line to active Force. Ed Gates. AF Times 33:3 Dec 6 '72

Disability rebuttal cites stress of general's life. AF Times 33:2 Aug 23 '72

Early-retirement extended for year. AF Times 32:19 May 17 '72

General (David A.) Burchinal to retire in March (and other general officer retirements announced). illus AF Times 33:4 Dec 20 '72

(Gen Jack G.) Merrell retires after 33 years. illus AF Times 33:2 Aug 16 '72

(Gen John D.) Lavelle loses rank--retires as three star (and other stars are reassigned). AF Times 32:3 May 17 '72

Generals make moves (and announce retirements). AF Times 33:17 Aug 9 '72

RETIREMENT - ContinuedAir Force--U.S. - Cont'd

Hike-retire curb due to resume in 1973. AF Times 33:36 Sep 6 '72

House unit probes (Gen John D.) Lavelle retirement (and other general officer activity is announced). AF Times 32:10 Jun 7 '72

It's up or out, NCOs. AF Times 32:17 Feb 9 '72

(Lt)Gen (Fred M.) Dean plans June retirement (and promotions and reassignments announced). AF Times 32:4 May 3 '72

(Lt)Gens Alonzo A.) Towner (and Robert G.) Ruegg to retire; other three-stars shifted. AF Times 32:3 May 10 '72

MajGen (George V. Williams) at Hancock (Field, NY) retires. AF Times 32:33 Mar 8 '72

(MajGen Robert E.) Pursley decorated. illus Armed Forces J 109:16 Jul '72

Manning policy to hit some hard. AF Times 33:41 Sep 13 '72

Many leaving overpaid. AF Times 32:2 Jun 14 '72

NCO force-out points to stay as is--TOPCAP missed '72 goal. AF Times 33:35 Aug 30 '72

New two-stars analyzed (and other general officer activity described). AF Times 32:21 Mar 1 '72

Nine generals get new assignments. AF Times 32:2 Jun 14 '72

Nurse, AF's second lady general (Ethel A. Hoefly), to pin on star (and other general officer activity announced). AF Times 32:5 Jul 5 '72

Opportunity lost by hike refusers. AF Times 32:5 Mar 29 '72

Option rules reach field. (Separation-retirement in lieu of PCS) AF Times 32:19 Apr 12 '72

Pursley, 44, McDivitt, 43 to retire this summer (and other general officer actions announced). illus AF Times 32:4 Jun 21 '72

Pursley receives 3d star, 5AF job (and other star assignments and star retirements announced). AF Times 33:4 Oct 25 '72

Reflections--MajGen Guy H. Goddard terminates distinguished active military career. illus AF Civil Engr 13:6-8 Feb '72

Retirement lead time cut in half. AF Times 32:8 Mar 8 '72

Retirement rule impact still unclear--details being worked out. AF Times 32:5 Mar 29 '72

Retirement set for 4 generals. AF Times 32:5 Feb 9 '72

Retirement wait for stripes risky. AF Times 33:54 Nov 29 '72

SAC commander Holloway to retire after 35 years (and other generals reassigned). illus AF Times 32:8 Jan 19 '72

'Select out' method for colonels sought. AF Times 33:6 Aug 23 '72

7 officers win stars (and other general officer actions announced). AF Times 33:8 Nov 29 '72

7 two-stars top shifting generals (and other stars retire or are reassigned). AF Times 32:8 Jun 28 '72

RETIREMENT - ContinuedAir Force--U.S. - Cont'd

Star shakeup looming--many top leaders to retire. AF Times 33:8 Dec 27 '72

Three steps taken to spur retirement of senior NCOs. Bruce Callander. AF Times 32:1+ Mar 22 '72

'Up or out'--harsh fact of life. Bruce Callander. AF Times 32:13 Feb 16 '72

Statistics

Half of NCOs retire in top grades. tab AF Times 32:6 May 3 '72

Armed Forces--U.S.

Cost of retirement poses big problem. Bob Horowitz. AF Times 32:10 Mar 1 '72

DOD sets retiree 'hotline.' AF Times 33:2 Dec 27 '72

Disability retirement: Some facts. Brooke Nihart. tab Armed Forces J 110:14 Nov '72

The EM's lobbyists on Capitol Hill. (Interview with Robert Nolan, Carl A. Bunn, and Donald Harlow) illus AF Times, Family sup:6-7+ Mar 1 '72

"Early retirement": Is it worth the price? David Nesenholtz. illus tabs Mil Rev 52:23-35 Jul '72

Exit bonus would ease involuntary separations. Ed Gates. AF Times 33:1+ Nov 15 '72

The military retiree--forgotten firehorse. Col Victor J. Croizat, Ret. illus US Nav Inst Proc 98:63-69 Jul '72

Retired overhaul given big push. Ed Gates. AF Times 33:1+ Dec 20 '72

Retirement plan unveiled for gradual overhaul. Randy Shoemaker. AF Times 33:1+ Oct 25 '72

Retirement proposal enters 'sell' phase. Ed Gates. AF Times 33:13 Nov 15 '72

Retirement reform looks dim in 1972. Ed Gates. AF Times 32:13 Jan 26 '72

Retirement reform stymied--Laird urges further study. AF Times 32:15 Aug 2 '72

Retirement supplement. AF Times 32:28p sup opposite p 30 Apr 19 '72; 33:32p sup opposite p 32 Sep 27 '72

Retiring after Jan 1 means more money. AF Times 33:4 Nov 8 '72

Service treats retirees best. Bob Horowitz. AF Times 33:5 Aug 30 '72

Star status: Army, Navy, Air Force. Regular feature in issues of Armed Forces Journal

20-year retirement not that old--30-year career was minimum. AF Times 33:21 Nov 1 '72

What's in prospect for military retirement. Maj Robert W. Hunter. AF Mag 55:38-41 Dec '72

Wraps off new retired plan. AF Times 33:3 Oct 11 '72

Statistics

Disability retirement: Some facts. Brooke Nihart. tab Armed Forces J 110:14 Nov '72

Lavelle and disability. Ed Gates. tab AF Times 33:13 Oct 25 '72



RETIREMENT - ContinuedArmy--U.S.

The grass is not always greener. Capt Frederick W. McCoy. Infantry 62:16-18 Nov-Dec '72

Road to retirement--smooth sailing or rough trip? MSgt Jack Holden. illus Soldiers 27:20-24 Apr '72

The talent drain. Col Arthur J. Cornelson, Ret. illus Army 22:47-50 Apr '72

National Guard--Air Force--U.S.

ANG forces more out. AF Times 32:6 Jan 12 '72

Guard to screen 20-year officers. AF Times 33:8 Nov 15 '72

Reserve Forces--Armed Forces--U.S.

Retirement overhaul proposed. Natl Guardsman 26:15+ Jan '72

RETIREMENT PAY

Army Reservist (LtCol Victor J. Montilla) loses retired pay bid. AF Times 32:40 May 17 '72

Bill lets wife nab paycheck (for child support, alimony). Bob Horowitz. AF Times 32:1+ Jul 5 '72

Congressmen get juicy pensions. Ed Gates. AF Times 32:13 Mar 8 '72

Cost of retirement poses big problem. Bob Horowitz. AF Times 32:10 Mar 1 '72

DOD sets retiree 'hotline.' AF Times 33:2 Dec 27 '72

Disability retirement: Some facts. Brooke Nihart. tab Armed Forces J 110:14 Nov '72

"Early retirement": Is it worth the price? David Nesenholtz. illus tabs Mil Rev 52:23-35 Jul '72

Exit bonus would ease involuntary separations. Ed Gates. AF Times 33:1+ Nov 15 '72

Finance Center reverses retiree allotment policies. AF Times 32:23 Mar 1 '72

Flight \$ struggle renewed. Bruce Callander. AF Times 33:1+ Sep 13 '72

Formula hunt ties up recomp. Robert S. Horowitz. AF Times 33:17 Nov 1 '72

Full recomp seen 'impossible.' AF Times 33:1+ Oct 18 '72

Getting de-confused about retirement. Capt John T. Correll. illus Airman 16:24-27 Dec '72

Hébert takes heat on recomp--many however, share blame. Bob Horowitz. AF Times 32:10 Mar 8 '72

It's not in the bag, but chances for recomputation are looking better. Armed Forces J 110:12 Sep '72

Lavelle and disability. Ed Gates. tab AF Times 33:13 Oct 25 '72

Lump sum retiree pay idea costly. Ed Gates. AF Times 32:13 May 17 '72

Military pay rates higher than civilian. AF Times 32:1+ Jan 12 '72

Most service extras remain despite members' gripes. Ed Gates. AF Times 32:13 Apr 19 '72

NAUS cites U.S. 'doles' in call for retired pay recomputation. AF Times 33:5 Dec 20 '72

Nixon clears recomp plan; retired pay reforms revised. Randy Shoemaker. AF Times 32:1+ Apr 26 '72

RETIREMENT PAY - Continued

Nixon recomp plan heads for Congress. AF Times 32:20 Mar 15 '72

'Offset' proposal: How to calculate retirement pay reform. AF Times 32:10 Jul 26 '72

Pay hike brings strange results, mixed reviews. tab Armed Forces J 109:10-11 Feb '72

Pending retirement legislation in a capsule. RADM Alexander Jackson, Jr. Officer 48:7 Jun '72

Personnel budget: Fewer people, higher pay; recomputation in. James D. Hessman. tab Armed Forces J 109:34-35 Mar '72

ROA testifies on retired pay provisions. (Testimony before a special subcommittee of HASC) Col John T. Carlton. illus Officer 48:7-8+ Dec '72

Recomp amendment raising to '72 pay scale passes Senate. RADM Alexander Jackson, Jr. illus Officer 48:6-7 Sep '72

Recomp-at-60 decision pending in (House-Senate) conference. AF Times 33:6 Aug 23 '72

Recomp cost rises by \$15 million--hearing date still not set. Bob Schweitz. AF Times 32:10 Jul 12 '72

Recomp endorsed by Senator McGovern. Bob Schweitz. AF Times 32:1+ Aug 2 '72

Recomp headed for Senate vote? AF Times 33:4 Aug 9 '72

Recomp hearings promised. Bob Horowitz. AF Times 32:1+ May 17 '72

Recomp hope for '72 dies. Bob Horowitz. AF Times 32:1+ Feb 16 '72

Recomp issue heats up again. AF Times 33:8 Sep 27 '72

Recomp lawsuit looks dead. AF Times 33:4 Nov 22 '72

Recomp plan makes age matter. Ed Gates. AF Times 32:13 May 10 '72

Recomp would mean large hikes. Ed Gates. tab AF Times 33:20 Aug 16 '72

Recomputation issue in doubt. Brooke Nihart. Armed Forces J 109:54-55+ Jun '72

Recomputation plan dies in committee. AF Times 33:1+ Sep 20 '72

'Reform,' recomp dragging. AF Times 32:1+ Apr 12 '72

Reserves list point values for retirees. tab AF Times 32:8 Jan 26 '72

Retired overhaul given big push. Ed Gates. AF Times 33:1+ Dec 20 '72

Retired pay and recomp. illus AF Mag 55:62-64 Apr '72

Retired pay--better than ever. Bob Horowitz. tab AF Times 32:1+ Apr 12 '72

Retired pay for convicted servicemen criticized. AF Times 32:50 Feb 23 '72

Retired pay threat aired. Randy Shoemaker. AF Times 32:1+ May 3 '72

Retired pay tiff develops. Randy Shoemaker. AF Times 33:1+ Nov 29 '72

Retiree reforms revised. Randy Shoemaker. AF Times 32:1+ Mar 1 '72

RETIREMENT PAY - Continued

Retirees get July raise, new CPI (Consumer Price Index) target: 128.1. AF Times 32:10 Jun 7 '72

Retirement costs zooming. Thomas C. Steinhäuser. Armed Forces J 110:20 Nov '72

Retirement overhaul proposed. Natl Guardsman 26:15+ Jan '72

Retirement plan unveiled for gradual overhaul. Randy Shoemaker. AF Times 33:1+ Oct 25 '72

Retirement proposal enters 'sell' phase. Ed Gates. AF Times 33:13 Nov 15 '72

Retirement reform looks dim in 1972. Ed Gates. AF Times 32:13 Jan 26 '72

Retirement reform stymied--Laird urges further study. AF Times 32:15 Aug 2 '72

Retirement-SS 'integration' seen. Randall Shoemaker. AF Times 32:1+ Jun 7 '72

Retiring after Jan 1 means more money. AF Times 33:4 Nov 8 '72

Senate OKs recomp--plan affects 60-year-olds. Bob Horowitz. AF Times 33:1+ Aug 16 '72

Senator Vance Hartke: The retirees' champion. Armed Forces J 110:12 Oct '72

Service treats retirees best. Bob Horowitz. AF Times 33:5 Aug 30 '72

Stennis eyes benefits cut. Bob Horowitz. AF Times 32:1+ Feb 23 '72

What's in prospect for military retirement. Maj Robert W. Hunter. AF Mag 55:38-41 Dec '72

Wraps off new retired plan. AF Times 33:3 Oct 11 '72

RETRAINING PROGRAMAir Force

Airman retraining/lateral training program. TIG Brief 24:6 Dec 22 '72

EM sought for crew slots--'Palace Fly' needs volunteers. AF Times 32:6 Jul 19 '72

Early retraining urged for first-termers. AF Times 33:3 Oct 18 '72

Help wanted: First sergeants. AF Times 33:8 Aug 16 '72

Making men of misfits (at Lowry AFB, Colo). (Adapted from Parade Magazine, May 7, 1972) TIG Brief 24:2 Jul 14 '72

Over five years 125,000 will retrain. Bruce Callander. AF Times 32:1+ Apr 19 '72

Retraining geared to avert surplus. Bruce Callander. AF Times 32:13 Apr 26 '72

(3320th Retraining) Gp handles 10,360 convicts--20 years of rehabilitation. AF Times 32:33 Mar 1 '72

25,000 set to retrain. Bob Towle. AF Times 33:1+ Oct 4 '72

REVENEMENTS

Combat aircraft reventments--a review. Capt Glen E. Brisbane. illus Mil Engr 64:92-94 Mar-Apr '72

REVIEWS, MILITARY see Military Ceremonies, Honors and SalutesREVOLUTIONARY WAR--U.S.

The American naval expedition to Penobscot, 1779. ENS Craig L. Symonds. map illus Nav War Col Rev 24:64-72 Apr '72

Cowards die many times. (John Callender's experiences in the Continental Army) LtCol Fairfax Downey. Ret. map illus Army 22:22-27 Jul '72

Patriotism: The self-evident truths. Ed Mason. illus US Nav Inst Proc 98:30-33 Feb '72

The Steuben legacy. John Leach. illus Infantry 62:14-16 Jan-Feb '72

'A thousand feints.' George Washington learns the lessons of sea power and a French fleet tips the balance. William J. Humphreys. illus map Sea Power 15:19-25 Feb '72

REVOLUTIONS

Combat support in wars of national liberation. LtCol Harold D. Gallagher. illus Nav War Col Rev 25:3-18 Sep-Oct '72

Current strategic theories. (Lecture, Naval War College) LCDR Benjamin M. Simpson III. illus Nav War Col Rev 24:76-85 May '72

Mao Tse-tung as strategist. Col William F. Long, Jr. illus Army 22:10-17 Apr '72

The opposite number. MajGen Edward G. Lansdale, Ret. illus AU Rev 23:22-32 Jul-Aug '72

Revolution from within: Changing military perspectives in Peru. (Research paper, College of Naval Command and Staff) Maj James L. Williams. Nav War Col Rev 25:43-60 Nov-Dec '72

RHODESIA

The military outlook: Southern Africa. Lewis H. Gann. illus map Mil Rev 52:59-72 Jul '72

RICE, Harold W.

The communications explosion. (Address, Southeastern Signal Center and School, Fort Gordon, Ga, Dec 1971) BrigGen Harold W. Rice. Signal 26:29-31 Apr '72

RICE, Joseph E.

Digital systems in support of naval requirements. (Address, AFCEA, Washington, June 8, 1972) RADM Joseph E. Rice. Signal 26:53-54 Jul-Aug '72

RICE, William T.

A salute to (MajGen) W. Thomas Rice (Ret, Chmn and Chief Executive Officer, Seaboard Coast Line Railroad)--National Transportation Award winner. por Def Trans J 28:26-29 Jul-Aug '72

Thomas Rice (Chairman and Chief Executive Officer, Seaboard Coast Line Railroad) selected for (1972) National Transportation Award. por Def Trans J 28:91 May-Jun '72

RICHARDSON, Elliot L.

Richardson named Defense Secretary. por AF Times 33:4 Dec 13 '72

RICKOVER, Hyman G.

Lessons in preparedness. VADM H. G. Rickover. Ordnance 56:288-291 Jan-Feb '72

RIDER, Graham W.

Unified logistics--an unholy alliance? LtCol Graham W. Rider. charts AF Mag 55:48-51 Mar '72

RIENZI, Thomas M.

Army communications in Vietnam. MajGen Thomas Matthew Rienzi. illus Signal 26:49-54+ Jun '72

RIFLE RANGES see Firing RangesRIFLES

A better rifle cartridge. Arthur Miller. illus tabs Ordnance 56:310-313 Jan-Feb '72

CAL:Challenger to the M16A1. LtCol R.F.Sullivan. illus tab Infantry 62:12-13 Jan-Feb '72

What's in the future for the sniper? Maj Kenneth A. Sines. illus Infantry 62:12-13 May-Jun '72

RIOT CONTROL

The lessons of Kojedo. MajGen Haydon L. Boatner. illus Army 22:34-37 Mar '72

The National Guard and national security. Maj John Lee. illus Mil Rev 52:9-16 Jan '72

Riot control agents in offensive operations. Capt Paul K. Van Riper. illus maps MarCor Gaz 56:18-23 Apr '72

These troubled times. Regular feature in some issues of National Guardsman

Violence in a free society. Lloyd N. Cutler. Persp in Def Mgt, pp 25-34, Spring '72

Training

Army Guardsmen in blue coats. Maj Thomas B. Gordon. illus Natl Guardsman 26:26-28 Mar '72

RIOTSHistory

Old problem: New setting. (Riots and insurrections) Gen Richard Gale. illus RUSI J for Def Studies 117:43-46 Mar '72

RIVER CROSSING, MILITARY see Stream Crossing, MilitaryRIVERINE OPERATIONSSee also

Vietnamese Conflict, 1957- --Riverine Operations

Colombia's riverine welfare. VAdm Jamie Parra Ramirez. illus tabs US Nav Inst Proc 98:107-110 Aug '72

RIVERO, Horacio, Jr

The defence of NATO's southern flank. ADM Horacio Rivero. illus RUSI J for Def Studies 117:3-10 Jun '72

RIVERS see WaterwaysROADS

Brazilian Army engineers projects. LtCol George K. Withers, Jr. illus map Mil Engr 64:416-417 Nov-Dec '72

Fusing soils. Maj Edward J. Jankiewicz, Jr. illus Mil Engr 64:422-423 Nov-Dec '72

Highways and national defense. F.C. Turner. (Reprinted from Military Engineer, July-Aug 1971) illus Translog 3:2-4+ Dec '71-Jan '72

Overland from Alaska to Cape Horn. (Combined British, U.S., Colombian, and Panamanian Armed Forces expedition on the Pan American Highway) F.C. Livingstone. illus maps Mil Engr 64:333-337 Sep-Oct '72

ROADS - Continued

Plastic wrapped roads. S.L. Webster. illus Mil Engr 64:191-193 May-Jun '72

Rome plow operations. Capt John E. Martin. Fld Artilleryman No. 49:5-8 Feb '72

Soil cement: Boon for developing countries. H.H. Duval. illus tab Mil Engr 64:183-185 May-Jun '72

The Tegernseer-Landstrasse project. (Munich construction program to support the 1972 Olympics) Capt Robert H. McDonald. illus tab Mil Engr 64:154-157 May-Jun '72

Maintenance and Repair

Accurate estimates for resupply over earth roads John H. Grier. illus Translog 3:23-24 Jun '72

ROBBINS, Jack B.

AFDAA (Air Force Data Automation Agency)--meeting management's data demands. por AF Mag 55:133-134 May '72

ROBERTS, J. Milnor, Jr

Army Aviation Reserve. MajGen J. Milnor Roberts. illus map USA Avn Dig 18:4+ Mar '72

Roberts asks for motivational training incentives in new citizen-soldier Army. MajGen J. Milnor Roberts. por Officer 48:10+ Aug '72

ROBERTS, John W.

They call him drug one. Interview. MajGen John W. Roberts. por Airman 16:20-22 Feb '72

Zero draft and the all-volunteer force. (Statement before Special Subcommittee on Selective Service and Volunteer Armed Forces, Senate Armed Services Committee, March 13, 1972) MajGen John W. Roberts. AF Ploy Ltr for Comdrs: Sup No. 6:23-30 Jun '72

ROCKET BOOSTERS see BoostersROCKET SLEDS

Fastest railroad in the West. (Rocket sled test track at Holloman AFB, NM) Ed Blair. illus Airman 16:34-37 Dec '72

The missile-system test sled--testing space hardware on the ground at 5580 miles per hour. illus Space World I-3-99:28-29 Mar '72

ROCKETSSee also

Missiles

Engines

Space shuttle main engine. David Dooling, Jr. illus Spaceflight 14:55-57 Feb '72

Fuels

See Propellants

Launching

Kourou--Europe's equatorial space centre. M. Deskau. illus map Interavia 27:38-40 Jan '72

Meteorological Applications

Countdown at Thule (AB, Greenland). Capt Gary A. Guimond. illus Airman 16:17-19 Apr '72



ROCKETS - ContinuedGreat BritainHistory

Sir William Congreve: A bi-centennial memorial.  
Frank H. Winter. illus Spaceflight 14:333-334  
Sep '72

United States

Mighty Mouse (2.75-inch folding-fin aircraft rocket).  
LtCol Robert W. Britt, Ret. illus Ordnance 56:500-  
501 May-Jun '72

ROCKETS, NUCLEAR POWERED

Engine concepts for space applications. William G.  
Holder and Maj William D. Siuru, Jr. illus AU  
Rev 23:45-53 Sep-Oct '72

ROCKETS, SOUNDINGGreat Britain

The earth resource rocket (British Skylark). illus  
Spaceflight 14:282-286 Aug '72

United States

Countdown at Thule (AB, Greenland). Capt Gary A.  
Guimond. illus Airman 16:17-19 Apr '72

The SOLRAD (SOLAR RADIATION) satellite. Space  
World I-1-97:22-25 Jan '72

ROLES AND MISSIONSAir Force--Great Britain

The Royal Air Force as peace-maker and peace-  
keeper. WgComdr P. A. Gifkins. illus Royal Air  
Forces Qtr 12:85-89 Summer '72

Armed Forces--U.S.

Air Force may share Navy sea control mission (Mel-  
vin R. Laird's 3d annual Dept of Defense report to  
Congress). L. Edgar Prina. illus Sea Power  
15:34-36 Mar '72

CAS: The hardware and the mission. Claude Witze.  
illus AF Mag 55:17-18+ May '72

Army--U.S.

A strange kinda bird. (Aviation battlefield support)  
Maj Peter J. Barrett. USA Avn Dig 18:2-3 May '72

Marine Corps--U.S.

Roles and missions: Time for a change. Capt James  
H. Webb. illus tabs MarCor Gaz 56:19-26 Mar '72;  
Comment. Col J. E. Greenwood. 56:56 Apr '72;  
Comment. Col Marc A. Moore and LtCol Alfred J.  
Croft, Jr. 56:18-24 Jun '72

National Guard--Air Force--U.S.

Guard's airlift capability fading with mission  
changes. Natl Guardsman 26:16-17 Jan '72

Reserve Forces--Coast Guard--U.S.

The present role of the U. S. Coast Guard Reserve.  
ADM Chester R. Bender. illus Officer 48:18+  
Dec '72

ROLLS-ROYCE, LTD

The resurrection of Rolls-Royce. illus tab Interavia  
27:946-948 Sep '72

ROSENBERG, Edwin M.

Gone is the warning time. Sweeping change makes  
Naval Reserve 'readier' than ever. RADM Edwin  
M. Rosenberg. illus Sea Power 15:28-33 Mar '72

ROSSON, William B.

Transition poses fresh challenges (as war winds  
down). Gen William B. Rossion. por Army 22:50-53  
Oct '72

ROTATIONAir Force--U.S.

USAFE shake-up set--thousands face move. Bob  
Towle. AF Times 33:1+ Oct 11 '72

Armed Forces--U.S.

McGovern would slow military transfers pace. Ed  
Gates. AF Times 33:3 Oct 4 '72

Rotation study aims at better retention. Randall  
Shoemaker. AF Times 32:1+ Apr 19 '72

Travel 'savings' (assumption) deceptive. Bruce  
Callander. AF Times 33:13 Oct 11 '72

ROWELL, Ross E.

Air action in Nicaragua (in 1927). William L. Roper.  
por MarCor Gaz 56:54-57 Nov '72

ROYAL AIR FORCES ASSOCIATION

RAFA 1972 Annual Conference. Peter Breen. illus  
Royal Air Forces Qtr 12:209-213 Autumn '72

RUEGG, Robert G.

(LtGens Alonzo A.) Towner (and Robert G.) Ruegg  
to retire; other three-stars shifted. AF Times  
32:3 May 10 '72

RULE OF THE ROAD AT SEA see Safety at SeaRUNWAYS

An airline pilot looks at crosswind landings on  
slippery runways. (Condensation of paper, Flight  
Safety Foundation's 24th Annual Air Safety  
Seminar, Mexico City, Oct 20, 1971) Capt John B.  
Clark. illus MAC Flyer 19:8-11 Feb '72

Airport lighting and power supplies--the final landing  
aid. illus Interavia 27:499-501 May '72

A friend indeed (Runway Supervisory Unit). illus  
Interceptor 14:13-15 Oct '72

Hazardous airfield facilities. TIG Brief 24:16  
Oct 27 '72

MAC's role in Deep Freeze. Edward J. Belz. illus  
AU Rev 23:34-43 May-Jun '72

Poor man's VASI. (Adapted from Aerospace Safety,  
Oct 1970) illus MAC Flyer 19:6-7 May '72

Proposal for a thermal system to improve runway  
visibility. M. Berchtold and H. Weiss. illus  
Interavia 27:654-655 Jun '72

Seeing is deceiving. (Adapted from Interceptor, Dec  
1970) illus Interceptor 14:8-12 Oct '72

Whoa woes. (Hydroplaning) LtCol David L. Elliott.  
illus tab Aerosp Safety 28:1-3+ Feb '72

Maintenance and Repair

Field repair of airfield landing mat surfacing. Maj  
Charles Lindbergh and Capt David Currin. illus  
Mil Engr 64:409-412 Nov-Dec '72

RUNWAYS - ContinuedMaintenance and Repair - Cont'd

Innovative repair project keeps the aircraft flying (at Mather AFB, Calif). Bruce C. Gandy. illus AF Civil Engr 13:7-9 Nov '72

Rapid setting cements. L. E. Pendergrast. illus tab AF Civil Engr 13:8-10 Aug '72

RUSH, Kenneth

Changes in our national security environment. (Remarks, Manufacturing Chemists' Assoc, White Sulphur Springs, WVa, June 8, 1972) Kenneth Rush. AF Pley Ltr for Comdrs: Sup No. 8:13-18 Aug '72

Controlling Defense costs. (Address, National Security Industrial Assoc Cost Symposium, Washington, Aug 1972) Kenneth Rush. Signal 27: 15-18 Dec '72

New DepSecDef is skilled negotiator. por Armed Forces J 109:15+ Mar '72

New executive in DOD: Kenneth Rush assumes duties as the Deputy Secretary of Defense. illus Ordnance 56:362-363 Mar-Apr '72

What's a DCP (Development Concept Paper)? Interview. Kenneth Rush. por Govt Exec 4:24+ Oct '72

RUSSIA

Fruits of fraternal friendship. (Moldavian Soviet Socialist Republic) Anatoly Rozhnov. illus Soviet Mil Rev No. 10:6-8 Oct '72

Nations: Flourishing, drawing together. (Interview with Bobodjan Gafurov) illus Soviet Mil Rev No. 10: 2-5 Oct '72

R. U. S. I. / R. M. A. S. Research Centre bulletin. (Precis, abstracts, or translations of whole articles from the Soviet press) Regular feature in some issues of RUSI Journal for Defence Studies

Description and Travel

Notes on a trip to Moscow. John L. Frisbee. illus AF Mag 55:42-47 Mar '72

Economic Conditions

In the fraternal family. (The Ukraine) Alexander Lyashko. illus Soviet Mil Rev No. 5:11-14 May '72

The Soviet economy. Hans Heymann, Jr. Forum No. 16:50-59 Fall '72

Summit and SALT (4 views). illus Sea Power pt 1, Effect of the pacts on U. S. security. Lawrence Griswold. 15:10+; pt 2, Moscow--then and now. George W. Healy, Jr. 15:11-12; pt 3, SALT: Some basic questions. Henry M. Jackson. 15:18-19; pt 4, Spy satellites will monitor pacts. William Beecher. 15:20-24 Jul-Aug '72

History

Bypassing an epoch. V. Dmitriev. illus Soviet Mil Rev No. 9:8-10 Sep '72

Economic Policy

Russia adds arms at cost of food. LtGen Ira C. Eaker, Ret. AF Times 33:13 Nov 1 '72

The Soviet economy. Hans Heymann, Jr. Forum No. 16:50-59 Fall '72

Foreign Economic Relations

Reliable hand of a friend. (Program of the Communist Party of the Soviet Union) V. Kudryavtsev. illus Soviet Mil Rev No. 11:54-57 Nov '72

RUSSIA - ContinuedForeign Economic Relations - Cont'dCuba

The need for a new U. S. policy toward Cuba in the 1970's. CAPT O. K. Hallam. tabs Forum No. 13: 52-69 Fall '71; Adaptation. Nav War Col Rev 24: 1-15 Mar '72

Foreign Policy

Collective security for Asia. Vasily Yefremov. Soviet Mil Rev No. 7:50-51 Jul '72

Crisis management--a vocation for the Armed Forces. Dennis Chaplin. Army Qtr 102:303-319 Apr '72

The dangerous decade. Col Richard F. Rosser. illus AF Mag 55:44-48 Jan '72

The dynamics of parity. Andrew J. Pierre. (Reprinted in part from Foreign Policy, Fall 1971) AF Mag 55:49-51 Jan '72

Firm security for Europe. MajGen S. Kozlov. Soviet Mil Rev No. 5:51-52 May '72

In the interest of peace and security. Col O. Ivanov. Soviet Mil Rev No. 7:48-49 Jul '72

Reliable hand of a friend. (Program of the Communist Party of the Soviet Union) V. Kudryavtsev. illus Soviet Mil Rev No. 11:54-57 Nov '72

The Soviet Navy's role in foreign policy. CDR Richard T. Ackley, Ret. illus tabs maps Nav War Col Rev 24:48-65 May '72

History

The Soviet Union and the Middle East: The high cost of influence. Robert O. Freedman. illus Nav War Col Rev 24:15-34 Jan '72

Foreign Relations

Peace programme in action. Vasily Vefremov. illus Soviet Mil Rev No. 1:53-55 Jan '72

Reflections on American-Soviet relations. W. Averell Harriman. Persp in Def Mgt, pp 11-17, Winter '71-'72

Africa

Should NATO worry about the scramble for Africa? illus map NATO's Fifteen Nations 17:16-23 Apr-May '72

Arab States

In the forefront. (The Arab liberation movement) Col Y. Sumbatyan. illus Soviet Mil Rev No. 9:53-55 Sep '72

Israel--shock detachment of imperialism and Zionism. Col O. Ivanov. illus Soviet Mil Rev No. 6:48-50 Jun '72

Asia

Collective security for Asia. Vasily Yefremov. Soviet Mil Rev No. 7:50-51 Jul '72

East is no longer least. LtCol William V. Kennedy. illus Mil Rev 52:52-56 Mar '72

China (People's Republic)

The Sino-Soviet border dispute. Col James H. Aarestad. maps Forum No. 13:92-110 Fall '71

RUSSIA - ContinuedForeign Relations - Cont'dChina (People's Republic) - Cont'd

The view from Moscow: Okean and Jenbao--USSR's growing sea power and its alarm over Siberia. Lawrence Griswold. illus map Sea Power 15:11-17 May '72

Egypt

Friendly visit (of Egypt's ColGen Mohammed Ahmed Sadek to the USSR). illus Soviet Mil Rev No. 8: 56-57 Aug '72

Ivan go home! Don't call us; we'll call you. (Russia in Egypt) Lawrence Griswold. illus map Sea Power 15:6-13 Sep '72

Watch on the Suez. William Beecher. illus tab Army pt 1, Egypt's noisy silent partner. 21:10-13 Nov '71; pt 2, Israel weighs the options. 21:28-32 Dec '71; pt 3, Jordan: On the razor's edge. 22: 41-44 Jan '72

Europe

Communist tactics in Europe and the Middle East. Brian Crozier. RUSI J for Def Studies 117:13-15+ Sep '72

Europe, Western

Firm security for Europe. MajGen S. Kozlov. Soviet Mil Rev No. 5:51-52 May '72

The prospects for a European security conference. C. E. Morris. Army Qtr 102:7-11 Oct '71

Indian Ocean Region

Strategic power in the Indian Ocean. R. D. M. Furlong. illus map tab Intl Def Rev 5:133-140 Apr '72

Japan

The eagle and the dragon: Washington-Peking contact has broad naval implications. Lawrence Griswold. illus maps Sea Power 15:28-32 Apr '72

Latin America

Soviet policy in Latin America. Maj Michael A. Nelson. AU Rev 24:26-33 Nov-Dec '72

Middle East

The bear on the roof--Soviet power encircles Persian Gulf. Lawrence Griswold. illus map Sea Power 15:20-25 Jun '72

Bears in the Med(iterranean). Col Minter L. Wilson, Jr. illus maps NATO's Fifteen Nations 17:49-56 Apr-May '72

Communist tactics in Europe and the Middle East. Brian Crozier. RUSI J for Def Studies 117:13-15+ Sep '72

Soviet motivation in the Middle East. Maj Jay C. Mumford. illus map Mil Rev 52:40-49 Sep '72

The Soviet Union and the Middle East: The high cost of influence. Robert O. Freedman. illus Nav War Col Rev 24:15-34 Jan '72

The Soviet Union in the Middle East: A real or imagined threat? Capt Allen N. Grenadier. Fld Artilleryman No. 49:29-34 Feb '72

RUSSIA - ContinuedForeign Relations - Cont'dMiddle East - Cont'd

The Soviets in the Middle East. David G. Nes. illus Mil Rev 52:80-85 Jun '72

Strategic power in the Indian Ocean. R. D. M. Furlong. illus map tab Intl Def Rev 5:133-140 Apr '72

United States

In the interest of peace and security. Col O. Ivanov. Soviet Mil Rev No. 7:48-49 Jul '72

Summit and SALT (4 views). illus Sea Power pt 1, Effect of the pacts on U. S. security. Lawrence Griswold. 15:10+; pt 2, Moscow--then and now. George W. Healy, Jr. 15:11-12; pt 3, SALT: Some basic questions. Henry M. Jackson. 15:18-19; pt 4, Spy satellites will monitor pacts. William Beecher. 15:20-24 Jul-Aug '72

U. S. /USSR space agreement. (Text of the agreement on cooperation in space between the United States and the Union of Soviet Socialist Republics signed in Moscow, May 24, 1972) illus Space World I-11-107:4-15 Nov '72

Yugoslavia

The Adriatic: Soviet seaway someday? LT Eugene P. Sullivan. illus map US Nav Inst Proc 98:26-31 Aug '72

History

Bypassing an epoch. V. Dmitriev. illus Soviet Mil Rev No. 9:8-10 Sep '72

The militant union in the making. Col N. Pankratov. illus Soviet Mil Rev No. 9:11-13 Sep '72

Sources of defence potential. Gen V. Kulikov. illus Soviet Mil Rev No. 11:18-21 Nov '72

Soviet strategic thinking, 1917-1962: Some history reexamined. Robert M. Laske. (Edited from selected faculty lectures, Naval War College, 1971?) Nav War Col Rev 24:24-34 Feb '72

Unbreakable union of socialist nations. illus Soviet Mil Rev No. 11:2-5 Nov '72

Social Conditions

A new historical community of people--USSR 50 years. M. Tarasenko. illus Soviet Mil Rev No. 8:6-9 Aug '72

RUSSO-JAPANESE WAR, 1904-1905

The Russo-Japanese War and British military thought. Philip Towle. illus Royal United Svcs Inst for Def Studies J 116:64-68 Dec '71

RYAN, John D.

Air Force request for authorizations (FY 1973). (Statement before House Armed Services Committee, March 2, 1972) Gen John D. Ryan. AF Plcy Ltr for Comdrs: Sup No. 5:2-13 May '72

Deterrence. Gen John D. Ryan. AF Plcy Ltr for Comdrs: Sup No. 9:7-8 Sep '72

The future of the Air Force. Gen John D. Ryan. por Armed Forces J 110:46+ Sep '72

General Ryan's seven (safety) points: What's your attitude? MAC Flyer 19:8-9 Dec '72



RYAN, John D. - Continued

Improving the quality of Air Force living. (Remarks, Officers' Wives Club, Bolling AFB, Washington, Oct 14, 1971) Gen John D. Ryan. AF Plcy Ltr for Comdrs: Sup No. 1:2-7 Jan '72

The logistics manager in the 70s. (Remarks, World-wide Logistics Conference Award Banquet, Tyn-dall AFB, Fla, Oct 20, 1971) Gen John D. Ryan. AF Plcy Ltr for Comdrs: Sup No. 2:14-17 Feb '72

Meeting our commitments. (Address, Des Moines Chamber of Commerce Armed Forces Day Luncheon, May 19, 1972) Gen John D. Ryan. AF Plcy Ltr for Comdrs: Sup No. 7:2-5 Jul '72

The paradox of successful deterrence. (Address, Air Force Assoc Convention, Washington, Sep 19, 1972) Gen John D. Ryan. AF Plcy Ltr for Comdrs: Sup No. 11:13-16 Nov '72

A rationale for adequate U.S. aerospace forces. Gen John D. Ryan. por AF Mag 55:50-53 May '72

RYAN, John D. - Continued

Reserve Forces will play a larger role. Gen John D. Ryan. TIG Brief 24:1 Jun 30 '72

The Reserves--a new mission. Gen John D. Ryan. por Officer 48:14+ Jun '72

Ryan, Lavelle tell details of firing--questions remain. AF Times 32:3 Jun 28 '72

Ryan sees short stay for TAC, SAC units deployed to war zone. Ed Gates. AF Times 32:1+ May 3 '72

United States strategic and tactical Air Forces--today and tomorrow. Gen John D. Ryan. illus NATO's Fifteen Nations 17:16-19+ Aug-Sep '72

The view from the tank: Interviews with the Joint Chiefs. por Armed Forces J 109:36-44 Jan '72

Your control of your Air Force career. (Remarks, Chaplains' Conference, Wright-Patterson AFB, Ohio, Oct 17, 1972) Gen John D. Ryan. AF Plcy Ltr for Comdrs: Sup No. 12:2-6 Dec '72

SABMIS (Strategic Antiballistic Missile Intercept System) see Missile Defense

SAC see Strategic Air Command

SACEUR see Allied Command Europe

SACLANT see Allied Command Atlantic

SAFLL see Legislative Liaison--Air Force

SALT see Arms Control

SAR see Search and Rescue

SOF see Special Operations Force

SOLE see Society of Logistics Engineers

STOL see Airplanes, V/STOL

### SABOTAGE

Destruction of the USS Maine--accident or sabotage?  
LtCol L. VanLoan Naisawald, Ret. illus US Nav  
Inst Proc 98:98-100 Feb '72

Fact or fiction? TIG Brief 24:1-2 Sep 15 '72

Protection of USAF resources. TIG Brief 24:1  
Sep 29 '72

### SAFETY AT SEA

Buoys will be buoys. LCDR J.F.Meade. illus US Nav  
Inst Proc 98:74-79 Nov '72

When am I committed to collision? LT Jotham M.  
Myers. illus US Nav Inst Proc 98:41-50 Dec '72

### SAFETY MEASURES see

Flying Safety

Water Safety

Ground Safety

also subdivision Safety Measures under specific  
subjects, e.g.,

Airplanes--Safety Measures

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Helicopters--Safety Measures

Helicopters, Military--Safety Measures

Lasers--Safety Measures

Missiles--Safety Measures

Nuclear Weapons--Safety Measures

Propellants--Safety Measures

Radiation--Safety Measures

Radioactivity--Safety Measures

Ships--Safety Measures

Space Vehicles--Safety Measures

### SAFETY PROGRAMS

New office for safety policy established in Department  
of Defense. TIG Brief 24:21 Jul 28 '72

You, the supervisor: Key to safety. illus Approach  
17:42-43 Jun '72

#### Air Force

Don't apologize for safety. LtCol Oliver A.Lazare.  
(Adapted from Combat Crew, Oct 1971) illus  
Approach 17:36-37 Feb '72

Driver education to get revamped curriculum. AF  
Times 33:22 Aug 9 '72

Effective management of a nuclear safety program.  
TIG Brief 24:11-12 Feb 11 '72

Have you seen these films on safety? TIG Brief 24:5  
Nov 24 '72

New look--Directorate of Nuclear Safety Inspection  
and Programs Division. TIG Brief 24:7 Aug 18 '72

Panacea (for accident prevention). Col George F.  
Bennett. illus Combat Crew 23:28-30 Feb '72

### SAFETY PROGRAMS - Continued

#### Air Force - Cont'd

Requirement for a collateral investigation for air-  
craft and missile accidents. TIG Brief 24:1  
Apr 7 '72

Safety and the two-wheel vehicle. TIG Brief 24:21  
Sep 1 '72

Serendipity of safety. (552d Airborne Warning and  
Control Wing safety program) illus Interceptor  
14:5-7 Jun '72

TAC/ANG/AFRES Advisory Safety Council. illus  
TAC Attack 12:27 Jul '72

Traffic safety education. TIG Brief 24:6 Jan 28 '72

#### Army

Aviation safety in combat--an appraisal of the ex-  
periences of Army Aviation unit commanders in  
RVN. illus tabs USA Avn Dig 18:36-45+ Feb '72

Unique aviation safety inspection team travels Viet-  
nam. William W.Johnson. illus USA Avn Dig 18:  
26-27 Feb '72

#### Navy

The SAFEREC program--what is it? illus Approach  
18:4-5 Dec '72

The tiger vs the fool--ASOs (Aviation Safety Officers)  
speak out. illus Approach 18:1-3 Dec '72

### SAGE

The triad...plus 'one.' Col Sheldon I. Godkin. illus  
AF Mag 55:48-53 Nov '72

### SAILPLANES see Gliders

### SALARIES see Income

also subdivision Salaries and Wages under  
specific subjects, e.g.,  
Civilian Employees--U.S.--Salaries and Wages

### SALESMEN AND SALESMANSHIP

Tough new regulations hit insurance sales on bases.  
Randy Shoemaker. AF Times 32:4 Feb 16 '72

### SALISBURY, Arthur G.

15 get star hikes--Senate confirmation required  
(and general officer transfers announced) por  
AF Times 32:5 Mar 29 '72

USAFSO--samaritan south of the border. por tab AF  
Mag 55:114-115 May '72

### SALVAGE

Derelicts of the sea. (Wrecked vessels and their con-  
tents) J. Warren Giles. US Nav Inst Proc 98:114-  
116 Nov '72

Redistribution and marketing--yesterday's Air Force  
salvage yard. Abraham Belous. illus Review 51:  
42-43+ May-Jun '72

### SAMMET, George, Jr

Army prototyping philosophy: Improve the acquisition  
process. MajGen George Sammet, Jr. Def Mgt J  
8:7-10+ Jul '72

### SANDERS, Frank

Warner succeeds Chafee as Secretary (of the Navy).  
L. Edgar Prina. por Sea Power 15:34-35 May '72

### SARGENT, Thomas R., III

Non-local boy makes good. H. R. Kaplan. por Sea  
Power 15:34-35 Oct '72

SARNOFF, David

(BrigGen) David Sarnoff, (Ret), February 27, 1891-December 12, 1971. por obit Signal 26:26-27 Mar '72

SATELLITES, ARTIFICIALSee also

Space Stations

also specific satellites under project name, e.g.

Space Project--Pioneer

After Prospero. Kenneth W. Gatland. tabs illus (Also cutaway) Spaceflight 14:42-44 Feb '72

Jane's aerospace review 71/72. John W.R. Taylor. illus AF Mag 55:24-33 Jan '72

Astronomical ApplicationsSee also

Space Observatories

Characteristics

ESRO scientific satellites. illus tab Interavia 27:1006-1007 Sep '72

Communication ApplicationsSee also

Tactical Satellite Communications

also specific satellites under project name, e.g.,

Space Project--Telstar

Challenges in communications technology. R. W. McFall. Signal 27:6-7 Dec '72

Command and control improvements on the front burner. Thomas C. Steinhauser. illus Armed Forces J 109:46-47 May '72

The "common thread" requires uncommon talent. RADM Samuel L. Gravely, Jr. illus Signal 26:40-42 Jan-Feb '72

Communications-electronics: The incomparable team. (Address, AFCEA, Washington, June 6, 1972) Irving K. Kessler. illus Signal 26:14-17 Jul-Aug '72

Communications network for China visit. illus Signal 26:6-7 Apr '72

Direct broadcast satellite. TIG Brief 24:17-18 Jul 28 '72

Earth stations for space communications. illus Space World I-3-99:25-27 Mar '72

Future communications requirements of the fleet satellite communications systems. (Address, AFCEA, Washington, June 7, 1972) RADM Samuel L. Gravely, Jr. illus Signal 27:14-16 Sep '72

"Hello, this is Peking." (Communications arrangements for Pres Nixon's trip to China) Edward A. Gallagher and Joseph J. Gancie. illus Signal 26:32-34+ Jun '72

How vulnerable are USAF military space systems? Interview. Grant L. Hansen. illus AF Mag 55:35-40 Jun '72

Impact of technology trends on future communication and information handling systems. (Address, AFCEA, Washington, June 6, 1972) Carmen Palermo. illus Signal 26:39-40 Jul-Aug '72

Improvements in tactical satellite communications. 1stLt John C. Dean. Signal 26:15-17 May '72

NATO Integrated Communications System (NICS). LtGen Walter E. Lotz, Jr. illus chart Signal 26:53-56 Jan-Feb '72

SATELLITES, ARTIFICIAL - ContinuedCommunication Applications - Cont'd

The newest frontier in communications: The direct broadcast satellite. Capt Kent C. Dugmore. illus AF JAG L Rev 13:259-269 Fall '71

The next decade: Communications-electronics in the DOD. BrigGen George A. Pappas, Jr. Signal 26:16-18+ Jan-Feb '72

The role of satellite communications in the DOD. BrigGen George A. Pappas, Jr and LtCol T. G. Adcock. illus Signal 27:25-27 Sep '72

(Three studies on domestic satellite communications) Signal 26:106 Jun '72

Costs

Army studies cost effectiveness of communications satellites. A. A. Soobert and Zelma M. Harms. illus Signal 27:35-37 Dec '72

Design

The TD-1A spacecraft. Space World I-7-103:44-45 Jul '72

Earth Sciences Applications

Earth explored from space--"Salyut" program completed. B. Rodionov. Space World I-3-99:16-17 Mar '72

Earth resources satellites: Rescuing Earth from outer space. Maj W. D. Siuru, Jr and William G. Holder. illus tab Spaceflight 14:167-171+ May '72

Earth resources technology satellite. Kenneth L. Godd. illus Spaceflight 1-9-105:4-9 Sep '72

Earth resources technology satellite--what it will do. illus Space World I-10-106:4-14 Oct '72

NASA to survey Earth's resources. illus Space World 1-1-97:8-16 Jan '72

Satellite for human need (ERTS-1). illus Spaceflight 14:381-382 Oct '72

Geodetic Applications

Earth explored from space--"Salyut" program completed. B. Rodionov. Space World I-3-99:16-17 Mar '72

Earth resources technology satellite. Kenneth L. Godd. illus Spaceflight I-9-105:4-9 Sep '72

Earth's land masses linked by satellite triangulation. map Space World I-3-99:18-19 Mar '72

Geociever puts Earth in its proper place. AF Times 32:35 Jan 19 '72

Mission to Mars. Space World I-2-98:4-13 Feb '72

Geological Applications

Outer space and geology. Alexander Sidorenko. (Trans and condensed from a Russian publication) Spaceflight 1-9-105:37-38 Sep '72

LaunchingChronology

NASA schedule for 1972. Space World I-3-99:22-23 Mar '72

Satellite digest; a monthly listing of all known artificial satellites and spacecraft. Table only. Spaceflight 14:30 Jan '72; 14:62-63 Feb '72; 14:96-98 Mar '72; 14:132-133 Apr '72; 14:179-180 May '72; 14:227-230 Jun '72; 14:262-264 Jul '72; 14:292-293 Aug '72; 14:345-349 Sep '72; 14:390-392 Oct '72



SATELLITES, ARTIFICIAL - ContinuedLaunching - Cont'dChronology - Cont'd

- Satellite report; objects orbited since Aug 7, 1971.  
Table only. Space World I-1-97:46 Jan '72
- Satellite report; objects orbited since Sep 10, 1971.  
Table only. Space World I-2-98:42 Feb '72
- Satellite report; objects orbited since Sep 29, 1971.  
Table only. Space World I-3-99:34 Mar '72
- Satellite report; objects orbited since Nov 19, 1971.  
Table only. Space World I-5-101:59 May '72
- Satellite report; objects orbited since Dec 2, 1971.  
Table only. Space World I-6-102:60 Jun '72
- Satellite report; objects orbited since Dec 10, 1971.  
Table only. Space World I-7-103:49 Jul '72
- Satellite report; objects orbited since Jan 23, 1972.  
Table only. Space World I-8-104:49 Aug '72
- Satellite report; objects orbited since March 12, 1972.  
Table only. Spaceflight 1-9-105:44 Sep '72
- Satellite report; objects orbited since May 5, 1972.  
Table only. Space World I-10-106:41 Oct '72
- Satellite report; objects orbited since June 23, 1972.  
Table only. Space World I-12-108:41 Dec '72
- Summary of major European space activities (Oct 3, 1942-March 12, 1972). Table only. Spaceflight 14:185-186 May '72

Meteorological ApplicationsSee also

- Space Project--Nimbus
- French weather satellite (Eole) launch. illus Space World I-1-97:28-30 Jan '72
- Geostationary environmental satellites. J. Gordon Vaeth. map illus (Also cutaway) Spaceflight 14:370-374 Oct '72
- Nimbus 4 continues to gather data. Spaceflight 1-9-105:45-46 Sep '72

Navigation ApplicationsSee also

- Space Project--Transit
- DNSS (Defense Navigation Satellite System): Satellite surveyor for the Field Army. Armando Mancini. illus map Mil Engr 64:340-342 Sep-Oct '72
- Potential of the Navy Navigation Satellite System in predicting ionospheric characteristics. V.L. Pisacane and M.M. Feen. maps tab illus Signal 27:14-18 Nov '72

Orbits

- Geostationary environmental satellites. J. Gordon Vaeth. map illus (Also cutaway) Spaceflight 14:370-374 Oct '72
- What keeps a satellite up? illus Space World I-11-107:33-40 Nov '72

Recovery

- Cosmos coverage of the Indo-Pakistani War. G.E. Perry. maps Spaceflight 14:350 Sep '72
- Recoverable Cosmos satellites. Geoffrey E. Perry. illus tab Spaceflight 14:183-184 May '72

SATELLITES, ARTIFICIAL - ContinuedScientific UsesSee also

- Satellites, Artificial--Meteorological Applications  
also specific satellites under project name, e.g.,  
Space Project--Mariner  
Space Project--Skylab
- Ariel 4 in orbit. illus tab Space World I-3-99:13-15 Mar '72
- Ariel 4 in orbit. illus Spaceflight 14:94-95 Mar '72
- ESRO scientific satellites. illus tab Interavia 27:1006-1007 Sep '72
- Intercosmos: Results and prospects. Vladlen Vereshchetin. Space World I-1-97:38-39 Jan '72
- Man-made sputnik of red planet. T. Borisov. Space World I-6-102:64-65 Jun '72
- Mariner 9 Mars encounter--November 13 (1971). illus map tab Space World I-2-98:15-22 Feb '72
- Mission to Mars. Space World I-2-98:4-13 Feb '72
- NASA launches European spacecraft. illus Space World I-6-102:61-63 Jun '72
- NASA to survey Earth's resources. illus Space World I-1-97:8-16 Jan '72
- Potential of the Navy Navigation Satellite System in predicting ionospheric characteristics. V.L. Pisacane and M.M. Feen. maps tab illus Signal 27:14-18 Nov '72
- The SOLRAD (SOLAR RADIATION) satellite. Space World I-1-97:22-25 Jan '72
- Skylab telescope pre-launch tests. illus Space World I-3-99:4-5 Mar '72
- Small scientific satellite (S<sup>3</sup>) to be launched. Space World I-2-98:35-38 Feb '72
- The TD-1A spacecraft. Space World I-7-103:44-45 Jul '72

Statistics

- Objects on the moon. Tables only. Geoffrey Falworth. Spaceflight pt 1, 11:384-385 Nov '69; pt 2, 14:145-150 Apr '72
- Space satellite statistics (valid to January 30, 1972). Table only. Interavia 27:308 Apr '72
- Space satellite statistics (valid to September 3, 1972). Table only. Interavia 27:1177 Nov '72

Canada

- Guam station gears up for Anik launch. illus Space World I-11-107:47-48 Nov '72

Europe, Western

- ESRO scientific satellites. illus tab Interavia 27:1006-1007 Sep '72

Great Britain

- After Prospero. Kenneth W. Gatland. tabs illus (Also cutaway) Spaceflight 14:42-44 Feb '72

India

- India's first satellite. Spaceflight 14:300-301 Aug '72

Russia

- Cosmos coverage of the Indo-Pakistani War. G.E. Perry. maps Spaceflight 14:350 Sep '72

SATELLITES, ARTIFICIAL - ContinuedRussia - Cont'd

"Professions" of Soviet Sputniks. LtCol M. Rebrov. illus Soviet Mil Rev No. 11:42-44 Nov '72

Recoverable Cosmos satellites. Geoffrey E. Perry. illus tab Spaceflight 14:183-184 May '72

United States

A decade of U.S. reconnaissance satellites. Alec Galloway. illus tab Intl Def Rev 5:249-253 Jun '72

NORAD charts 6,211 satellites--most are debris. AF Times 33:22 Oct 25 '72

SATELLITES, RECONNAISSANCE

A decade of U.S. reconnaissance satellites. Alec Galloway. illus tab Interavia 27:376-380 Apr '72

Reconnaissance 1972. John W. R. Taylor. illus Royal Air Forces Qtr 12:7-14 Spring '72

Summit and SALT (4 views). illus Sea Power pt 1, Effect of the pacts on U. S. security. Lawrence Griswold. 15:10+; pt 2, Moscow--then and now. George W. Healy, Jr. 15:11-12; pt 3, SALT: Some basic questions. Henry M. Jackson. 15:18-19; pt 4, Spy satellites will monitor pacts. William Beecher. 15:20-24 Jul-Aug '72

History

A decade of U.S. reconnaissance satellites. Alec Galloway. illus tab Intl Def Rev 5:249-253 Jun '72

SATURN (PLANET)See also

Space Flight to Saturn

SAVINGS

Fertilize your nest egg. SP4 Chuck Noland. illus Soldiers 27:48-49 Nov '72

From regs (AFR 11-34 spells it out for you!) to riches (U.S. savings bonds). Mary Tasker. illus tab AF Compt 6:6-8 Oct '72

O'sea savers alerted to interest rules. AF Times 33:33 Sep 6 '72

Savings plan members fall but deposits soar. AF Times 32:19 Jan 26 '72

SCANDINAVIA

The cork in the Baltic bottle. Lawrence Griswold. maps illus Sea Power 15:9-13 Jan '72

The Nordic countries in a changing Europe. Egil Ulstein. (Condensed from Part 3 of Adelphi Papers No. 81, Nov 1971) illus Mil Rev 52:50-63 Sep '72

Strategic Importance

The North Atlantic: The Norwegian Sea, a Scandinavian security problem. Capt Christer Fredholm. maps illus Nav War Col Rev 24:56-64 Jun '72

SCHAFER, George E.

Aerospace medical research in defense systems development. BrigGen George E. Schafer. illus Def Mgt J 8:39-44 Jul '72

SCHEDLER, Spencer J.

Data automation program redirection. (Address, Worldwide Air Force Data Automation Conference, Langley AFB, Va, March 15, 1972) Spencer J. Schedler. AF Ploy Ltr for Comdrs: Sup No. 7: 24-28 Jul '72

SCHOFIELD, Brian B.

Malta--a maritime base for rent. VADM B. B. Schofield, Ret. por US Nav Inst Proc 98:111-114 Dec '72

SCHOLARSHIPS AND FELLOWSHIPS

AF pushes medical schooling. Paul Collins. AF Times 32:2 May 3 '72

Caduceus in uniform--Hebert military medical school offers quantum jump in training. Joseph Volz. illus Sea Power 15:13-18 Feb '72

Congress okays (Armed Forces) medical school. AF Times 33:4 Sep 20 '72

(F. Edward) Hébert defends medical academy. AF Times 33:56 Dec 6 '72

Med school scholarships near okay. Bob Horowitz. AF Times 32:3 Feb 2 '72

1,057 in AFROTC win grants--scholarships run 18 to 42 months. AF Times 32:41-42 Mar 29 '72

ROTC scholarships for women. Armed Forces J 109:13 May '72

Rated-ROTC program studied for airmen. AF Times 33:4 Nov 22 '72

Sec Froehlke announces 1,110 high school senior (ROTC) scholarships. illus Officer 48:26 Jun '72

A Vietnam War issue Americans can unite on: State scholarship aid for POW/MIA children. Thomas C. Steinhäuser. illus Armed Forces J 109:52-53 Mar '72

SCHOMBURG, August

Lieutenant General August Schomburg, 1908-1972. obit Persp in Def Mgt, p 83, Spring '72

SCHRADER, George D.

Military justice--a system for the seventies. LtCol George D. Schrader. illus AU Rev 23:44-49 May-Jun '72

SCHRADER, Henry C.

Army's handling of software. por Govt Exec 4:62-63+ Apr '72

Problems of programmers. (Interviews with Clem Gibson, Phil Budd, Howard King, Lawrence Roberts, Robert L. Chartrand, and MajGens Frederick E. Morris, Jr and Henry C. Schrader) Scot MacDonald. por Govt Exec 4:70-72 Jul '72

SCHULKE, Herbert A., Jr

Digital systems in the strategic context and DCA planning activities. (Address, AFCEA, Washington, June 8, 1972) BrigGen Herbert A. Schulke, Jr. Signal 26:54-56 Jul-Aug '72

SCIENCE AND SOCIETY

Technology tomorrow. William L. Lehmann. illus Ordnance 56:369-371 Mar-Apr '72

SCIENTIFIC EXPEDITIONS

Overland from Alaska to Cape Horn. (Combined British, U. S., Colombian, and Panamanian Armed Forces expedition on the Pan American Highway) F. C. Livingstone. illus maps Mil Engr 64:333-337 Sep-Oct '72

SCIENTIFIC RESEARCH

Cryogenic engineering for gravity wave detection.  
P. Bruce Pipes and others. illus Mil Engr 64:  
406-408 Nov-Dec '72

Military Applications

Science and the future of defence. Hermann Bondi.  
illus RUSI J for Def Studies 117:10-16 Jun '72

United States

The university campus: Why military-sponsored research? LtCol Aubrey F. Messing. illus Mil Rev  
52:54-62 Dec '72

SCOTT, Winfield S., III

Educating the DOD program manager--vital function  
of Defense Systems Management School. BrigGen  
Winfield S. Scott III. tab Def Mgt J 8:27-31 Apr '72

SEA-BASED MISSILE DEFENSE SYSTEM see Missile  
DefenseSEA POWER

The future roles and problems of small countries'  
navies. (Address, 2d International Seapower Symposium,  
Naval War College, Nov 1971) VAdm C.  
Margaritis. illus Nav War Col Rev 24:35-40  
Jan '72

Mahan and naval strategy in the nuclear age. (Lecture,  
Naval War College) CDR James A. Barber.  
illus Nav War Col Rev 24:78-88 Mar '72

Theory of naval strategy in the nuclear age. RAdm  
Edward Wegener, Ret. illus US Nav Inst Proc 98:  
190-207 May '72

History

The struggle for the sea. RAdm Ernest M. Eller, Ret.  
illus Sea Power 15:26-31 Oct '72

Africa, South

Sea trials for South Africa. Comdr Ivor C. Little.  
illus US Nav Inst Proc 98:78-83 Dec '72

Canada

"Canada must face reality..." Comdr W. G. Kinsman,  
Ret. illus US Nav Inst Proc 98:32-37 Aug '72

Great Britain

A proposal for a new British capital ship. T. R. Philbin.  
illus tab RUSI J for Def Studies 117:48-51  
Jun '72

NATO

Iceland and the maritime threat to NATO. F. P. U.  
Crocker. map RUSI J for Def Studies 117:51-54  
Jun '72

Seapower and the smaller nations. Comdr J. J.  
Binnendijk. illus US Nav Inst Proc 98:38-43  
Sep '72

The security of the southern oceans: Southern Africa,  
the key. Stewart Menaul. illus NATO's Fifteen  
Nations 17:40-46 Apr-May '72

Russia

The Adriatic: Soviet seaway someday? LT Eugene P.  
Sullivan. illus map US Nav Inst Proc 98:26-31  
Aug '72

American maritime power. (Adapted from address,  
Washington Attorneys' Luncheon, Jan 17, 1972)  
ADM E. R. Zumwalt, Jr. illus Mil Engr 64:75-77  
Mar-Apr '72

SEA POWER - ContinuedRussia - Cont'd

Bears in the Med(iterranean). Col Minter L. Wilson,  
Jr. illus maps NATO's Fifteen Nations 17:49-56  
Apr-May '72

Blueprint for bluewater. RAdm George H. Miller.  
illus Sea Power 15:8-12 Feb '72

"Canada must face reality..." Comdr W. G. Kinsman,  
Ret. illus US Nav Inst Proc 98:32-37 Aug '72

The development of Soviet naval power. WgComdr  
M. T. Thurbon. illus tab Hawk No. 33:31-37  
Feb '72

Domestic tranquility and the common defense. John  
J. Clark. illus US Nav Inst Proc 98:38-44 Aug '72

The end of an era (of U. S. supremacy). (Prize Essay,  
1972, 2d Honorable Mention) CDR Roy Beavers.  
illus US Nav Inst Proc 98:18-25 Jul '72

Iceland and the maritime threat to NATO. F. P. U.  
Crocker. map RUSI J for Def Studies 117:51-54  
Jun '72

Lessons in preparedness. VADM H. G. Rickover.  
Ordnance 56:288-291 Jan-Feb '72

The maritime equation--SACLANT in the 1970s.  
ADM Charles K. Duncan. illus NATO's Fifteen  
Nations 17:28-35 Feb-Mar '72

National defense and national priorities. (Excerpts  
from study by the same name, prepared by the  
Council on Trends and Perspective of the Chamber  
of Commerce of the U. S. ) tabs Signal 26:14-21  
Apr '72; Excerpts from Chapter 3. Mil Rev 52:  
68-79 May '72

The Navy gap in the seventies. (Enlisted Prize  
Essays 1972) STCM J. C. Bussert. illus US Nav  
Inst Proc 98:18-26 Jun '72

Need for a nuclear Navy. Chet Holifield. Ordnance  
56:462-464 May-Jun '72

Soviet ASW. STCM James C. Bussert. illus tab  
US Nav Inst Proc 98:112-116 Aug '72

The Soviet Navy: Acquiring global capabilities and  
perspectives. Carl G. Jacobsen. illus Nav War Col  
Rev 24:41-52 Mar '72

The Soviets in the Middle East. David G. Nes. illus  
Mil Rev 52:80-85 Jun '72

The struggle for the sea. RAdm Ernest M. Eller, Ret.  
illus Sea Power 15:26-31 Oct '72

Toward a navy second to one. CAPT Robert H. Smith,  
Ret. illus US Nav Inst Proc 98:42-51 Nov '72

The view from Moscow: Okean and Jenbao--USSR's  
growing sea power and its alarm over Siberia.  
Lawrence Griswold. illus map Sea Power 15:11-17  
May '72

View from the bridge of the Sixth Fleet flagship.  
ADM Isaac C. Kidd, Jr. illus map US Nav Inst  
Proc 98:18-29 Feb '72

History

Russia's ancient ally: The sea. Robert W. Daly. illus  
tab US Nav Inst Proc 98:60-67 Aug '72

SwedenHistory

'With understanding and strength' Sweden's Naval  
Society (Royal Swedish Society of Naval Sciences)  
celebrates its 200th anniversary. Stephan A.  
Schwartz. illus Sea Power 15:14-16 Jan '72



SEA POWER - ContinuedUnited States

- American maritime power. (Adapted from address, Washington Attorneys' Luncheon, Jan 17, 1972) ADM E. R. Zumwalt, Jr. illus Mil Engr 64:75-77 Mar-Apr '72
- Blueprint for bluewater. RADM George H. Miller. illus Sea Power 15:8-12 Feb '72
- The crucial test of '73. (The Navy must produce performance) George W. Ashworth. illus Sea Power 15:8-13 Apr '72
- Domestic tranquility and the common defense. John J. Clark. illus US Nav Inst Proc 98:38-44 Aug '72
- The end of an era (of U.S. supremacy). (Prize Essay, 1972, 2d Honorable Mention) CDR Roy Beavers. illus US Nav Inst Proc 98:18-25 Jul '72
- The Navy gap in the seventies. (Enlisted Prize Essays 1972) STCM J. C. Bussert. illus US Nav Inst Proc 98:18-26 Jun '72
- The Navy tomorrow. ADM E. R. Zumwalt, Jr. illus Ordnance 56:285-287 Jan-Feb '72
- Need for a nuclear Navy. Chet Holifield. Ordnance 56:462-464 May-Jun '72
- New Defense budget gets naval tilt. L. Edgar Prina. illus tab Sea Power 15:33-34 Feb '72
- The nuclear carrier and modern war. (Prize Essay, 1972, 1st Honorable Mention) CAPT Paul Schratz, Ret. illus US Nav Inst Proc 98:18-25 Aug '72
- 'The only forces which have utility.' (Extracts from CNO's Posture Statement to the Senate Armed Services Committee, Washington, 1972) ADM Elmo R. Zumwalt, Jr. Sea Power 15:14-17 Apr '72
- The post-Vietnam Navy: The rhetoric and the realities. J. K. Holloway, Jr. illus US Nav Inst Proc 98:52-59 Aug '72
- Relevant power: Putting the salt water back in national strategy. Brooke Nihart. Armed Forces J 109:28-31 Feb '72
- Revitalizing America's seapower. RADM John D. Chase. illus Translog 3:6-9 Sep '72
- The role of the carrier in the control of the seas. CAPT Stephen T. De La Mater. illus tab US Nav Inst Proc 98:110-125 May '72
- Seapower and the smaller nations. Comdr J. J. Binnendijk. illus US Nav Inst Proc 98:38-43 Sep '72
- The struggle for the sea. RADM Ernest M. Eller, Ret. illus Sea Power 15:26-31 Oct '72
- To use the sea. Lane C. Kendall. illus US Nav Inst Proc 98:58-67 Dec '72
- Toward a navy second to one. CAPT Robert H. Smith, Ret. illus US Nav Inst Proc 98:42-51 Nov '72
- View from the bridge of the Sixth Fleet flagship. ADM Isaac C. Kidd, Jr. illus map US Nav Inst Proc 98:18-29 Feb '72
- Where does the Navy go from here? Arnold M. Kuzmack. illus tabs Mil Rev 52:37-51 Feb '72

History

- The making of a navalist: Secretary of the Navy Benjamin Franklin Tracy and seapower. B. Franklin Cooling. Nav War Col Rev 25:83-90 Sep-Oct '72

SEA POWER - ContinuedUnited States - Cont'dHistory - Cont'd

- Proposal for a maritime bicentennial--how do you renovate a heritage? Bernadine M. Kopec. illus Sea Power 15:21-25 Oct '72
- 'A thousand feints.' George Washington learns the lessons of sea power and a French fleet tips the balance. William J. Humphreys. illus map Sea Power 15:19-25 Feb '72

SEA WARFARE see Naval Warfare

SEA WATERDesalting

- Progress in desalination methods for military use. Allan S. Hodgson. illus Mil Engr 64:188-190 May-Jun '72

SEABASE CONCEPT see Mobile Seabase Concept

SEABEES

- Mission--explore Diego Garcia. (Joint U.S. and U.K. communications facility) LCDR George S. Robinson, Jr. illus map Mil Engr 64:120-121 Mar-Apr '72
- The Seabees at Dong Xoai: "... A new kind of fighting man." CDR William D. Middleton. illus US Nav Inst Proc 93:30-36 Jan '72
- Seabees fight chicken disease. AF Times 32:52 Jun '72

SEALIFT

- Blueprint for bluewater. RADM George H. Miller. illus Sea Power 15:8-12 Feb '72
- House panel vetoes proposed sealift (procurement) shift. Armed Forces J 109:12-13 Jan '72
- Interagency study of Sealift Procurement And National Security (SPANS). Russell F. Stryker and James R. Locher III. illus Def Trans J 28:58-61 Sep-Oct '72
- Military Sealift (Command) procurement and the Merchant Marine. RADM John D. Chase. illus tabs Def Trans J 28:40-45 Jan-Feb '72
- New dimensions in sealift. LtCol Keith S. Kelly. illus Parameters 1:61-70 Winter '72
- Retrograde materiel becomes big business. Col Henry G. Allard. illus Translog 3:2-5 Jul '72
- Sealift and the national security: A special report. illus Translog 3:21-22 Aug '72
- Sealift goes mufti as airlift builds in-house capability. James D. Hessman. Armed Forces J 109:42 Mar '72

SEAMANS, Robert C., Jr.

- The "absolutely essential" bombing. Robert C. Seamans, Jr. (Reprinted from New York Times, Jan 28, 1972) AF Plcy Ltr for Comdrs: Sup No. 4:31-32 Apr '72
- The Air Force and equal opportunity. Robert C. Seamans, Jr. illus AU Rev 23:2-8 Sep-Oct '72
- Air Force appropriations request, FY-73. (Statement to Senate Committee on Appropriations, Feb 16, 1972) Robert C. Seamans, Jr. illus tabs AF Plcy Ltr for Comdrs: Sup No. 4:2-28 Apr '72
- Air Force--is it the strongest Service? Interview. Robert C. Seamans, Jr. por Govt Exec 4:16-17 May '72

SEAMANS, Robert C., Jr - Continued

Challenge and response: The Air Force officer in the coming decade. (Address, Graduation Exercises, USAFA, Colorado Springs, June 7, 1972) Robert C. Seamans, Jr. por AF Plcy Ltr for Comdrs: Sup No. 8:2-7 Aug '72; Excerpts. AF Mag 55:74-75 Aug '72

Challenges ahead for young leaders. (Remarks, Junior Officers Council Dining-Out, Langley AFB, Va, Nov 19, 1971) Robert C. Seamans, Jr. AF Plcy Ltr for Comdrs: Sup No. 2:2-8 Feb '72

Development flexibility and cost discipline. Robert C. Seamans, Jr. por AF Mag 55:46-49 May '72

Foundation for the next 25 years. (Address, Annual Air Force Assoc Luncheon, Washington, Sep 20, 1972) Robert C. Seamans, Jr. AF Plcy Ltr for Comdrs: Sup No. 10:21-24 Oct '72

The kind of aerospace power we need. (Address, Aero Club of Washington, July 18, 1972) Robert C. Seamans, Jr. AF Plcy Ltr for Comdrs: Sup No. 9:2-6 Sep '72

New directions in managing technical efforts. (Address, Annual NATO Advisory Group for Aerospace Research and Development, Brussels, Sep 28, 1972) Robert C. Seamans, Jr. AF Plcy Ltr for Comdrs: Sup No. 11:2-12 Nov '72

One-move rule waived for war-related PCS. AF Times 33:2 Aug 30 '72

Prototype development. Robert C. Seamans, Jr. illus Ordnance 56:465-467 May-Jun '72

Review of the past brightens the future--C-5 problems aid B-1 development. Robert C. Seamans, Jr. illus Def Mgt J 8:60-65 Oct '72

Seamans OKs many bids of Reserve Forces panel. Paul Collins. AF Times 32:20 May 31 '72

SEAMANSHIP

The Royal Navy. James Morris. illus US Nav Inst Proc 98:62-73 Mar '72

The spirit of the Navy. RADM R.E. Coontz. illus US Nav Inst Proc 98:83-84 Feb '72

SEAPLANES

The sea plane--a time for reassessment. SqLdr D.G.J. Breadner. illus Royal Air Forces Qtr 12:47-50 Spring '72

27 years after V-J Day, Howard Hughes is still under contract to fly his "Spruce Goose"--but it may end up as a \$75-million taco stand. Benjamin F. Schemmer. illus tab Armed Forces J 110:50-54+ Nov '72

History

NC-4 rots as overrun plagues (Smithsonian's National) Air Museum. illus Armed Forces J 109:17 Apr '72

A page from history--OS2U Kingfisher. illus Approach 17:14-17 Mar '72

Plight of the Anzac Clipper. M.D. Klaas. illus Am Avn Hist Soc J 17:174-177 Fall '72

SEARCH AND RESCUESee also

Pararescue  
Vietnamese Conflict, 1957- --Search and Rescue Operations

Have you 'learned to return?' LT Dick Ritz. illus Approach 18:26-28 Sep '72

SEARCH AND RESCUE - Continued

Hub of a saving wheel. (Rescue Coordination Center, Elmendorf AFB, Alaska) Sgt Dave Cole. illus Airman 16:13-15 Jan '72

N.E. Scotland's civil ASR (Air-Sea Rescue)--BEA helicopters plug a gap. James D. Ferguson. illus Air Pict 34:16-17 Jan '72

Search & rescue. illus Approach 17:8-10 Jun '72

Search and rescue service in Denmark with special reference to accidental hypothermia. K. Jessen and John O. Hagelsten. tab Aerosp Med 43:787-791 Jul '72

30 planes continue Boggs search. AF Times 33:40 Nov 22 '72

26-year-old ARRS lists 22,000 saves. illus AF Times 32:32 Mar 29 '72

Study and Teaching

CAP coordinators take rescue class. AF Times 32:63 May 10 '72

SEARLES, DeWitt R.

New USAF Deputy Inspector General. TIG Brief 24:22 Nov 10 '72

SEASICKNESS see Motion SicknessSEAT BELTS

Excuses, excuses (for not wearing seat belts). David Girling. TAC Attack 12:10-11 Mar '72

Testing

Evaluation of the lap belt, Air Force shoulder harness-lap belt and air bag plus lap belt restraints during impact with anthropomorphic dummies. James F. Sprouffske and others. illus tabs Aerosp Med 43:368-371 Apr '72

SECURITY, INDUSTRIAL

Don't seal it (cargo) with a kiss! Maj Richard L. Moe. illus Translog 3:4-7 Oct '72

Bibliography

Cargo security bibliography. Regular feature in issues of Translog

SECURITY, MILITARYSee also

Defense Investigative Service

Army communications in Vietnam. MajGen Thomas Matthew Rienzi. illus Signal 26:49-54+ Jun '72

Communications SECURITY (COMSEC) officers. TIG Brief 24:17 May 19 '72

Compromise! Compromise! Compromise! (Communications security during tactical operations) Maj Eugene H. Grayson, Jr. illus USA Avn Dig 18:16-17+ May '72

Disclosure of Air Force records. TIG Brief 24:15 Aug 18 '72

Exercise proper surveillance over unlocked safes. TIG Brief 24:10 Jun 2 '72

Fact or fiction? TIG Brief 24:1-2 Sep 15 '72

Individual security responsibilities. TIG Brief 24:12 Mar 24 '72

Intrusion detection alarm systems. TIG Brief 24:13 Oct 27 '72

SECURITY, MILITARY - Continued

- The MTMTS cargo security program. Capt Gerald H. Lucas. illus Translog 3:2-5 Mar '72
- The munitions maintenance squadron and security. TIG Brief 24:18 Apr 7 '72
- New security classification system. TIG Brief 24:16 May 19 '72
- (Parked Aircraft Security Systems--PASS) illus Signal 27:53 Nov '72
- Protection of firearms. TIG Brief 24:16 Nov 10 '72
- Protection of USAF resources. TIG Brief 24:1 Sep 29 '72
- Safeguarding classified information. TIG Brief 24:21 Apr 21 '72
- Security classifications. TIG Brief 24:11-12 Oct 27 '72
- Security of aircraft transporting nuclear weapons. TIG Brief 24:18 Aug 18 '72
- Security requirements for classified meetings. TIG Brief 24:12 Oct 27 '72
- Security tightened on Pentagon trash. AF Times 33:4 Sep 13 '72
- Special destruction procedures for classified material. TIG Brief 24:13 Mar 24 '72
- Target for tonight? (Armory vandalism) illus Natl Guardsman 26:26-27 Feb '72
- USAF personnel security program. TIG Brief 24:17-18 Aug 18 '72
- Use AUTOSEVOCOM for classified conversations. TIG Brief 24:7 Sep 29 '72
- Use of emergency authority for appointment to sensitive positions. TIG Brief 24:19 Sep 15 '72
- We're all responsible for information security. TIG Brief 24:11-12 Mar 24 '72

SECURITY, NATIONAL

- The Air Force and national security. (Address, Jacksonville Chamber of Commerce Dinner, Little Rock AFB, Ark, Dec 10, 1971) Gen John C. Meyer AF Plcy Ltr for Comdrs: Sup No. 2:28-32 Feb '72
- Arms and diplomacy. (Address, Royal Military College, Canberra, Australia, March 14, 1972) MajGen Robert N. Ginsburgh. AF Plcy Ltr for Comdrs: Sup No. 7:6-10 Jul '72
- Army support of coalition security. LtCols Zeb B. Bradford, Jr and Frederick J. Brown. illus Mil Rev 52:4-21 May '72
- Arousing public interest in defence. SqLdr B.J. Jackson. Royal Air Forces Qtr 12:23-30 Spring '72
- Battle of the budget. (Address, 54th Annual Meeting, American Ordnance Assoc, Washington, May 11, 1972) Robert C. Moot. tabs Ordnance 57:36-39 Jul-Aug '72
- Challenge and response: The Air Force officer in the coming decade. (Address, Graduation Exercises, USAFA, Colorado Springs, June 7, 1972) Robert C. Seamans, Jr. illus AF Plcy Ltr for Comdrs: Sup No. 8:2-7 Aug '72; Excerpts. AF Mag 55:74-75 Aug '72
- Changes in our national security environment. (Remarks, Manufacturing Chemists' Assoc, White Sulphur Springs, WVa, June 8, 1972) Kenneth Rush. AF Plcy Ltr for Comdrs: Sup No. 8:13-18 Aug '72

SECURITY, NATIONAL - Continued

- The China factor in the ABM debate: Chronicle of a rationale. Harry E. T. Thayer. tab Forum No. 14:1-59 Winter '71
- A critique of realistic-deterrence strategy. Gen Maxwell D. Taylor, Ret. Persp in Def Mgt, pp 1-10, Autumn '72
- The Defense budget: Does security compete with domestic needs? Seymour Melman. Persp in Def Mgt, pp 7-14, Spring '72
- Defense leaders spell out threat. LtGen Ira C. Eaker, Ret. AF Times 32:13 Mar 15 '72
- Defense Secretary Melvin Laird: Reordered priorities and fenced-in planning. Interview. illus Govt Exec 4:50-52 Apr '72
- Disclosure of Air Force records. TIG Brief 24:15 Aug 18 '72
- Forcible self-help in international law. (Research paper, College of Naval Warfare) CAPT James J. McHugh. Nav War Col Rev 25:61-86 Nov-Dec '72
- House probes classification leaks. Armed Forces J 109:11 Feb '72
- How the NMCC (National Military Command Center) works--a winning team. Thomas C. Steinhäuser. illus Armed Forces J 109:48-49 May '72
- National defense and national priorities. (Excerpts from study by the same name, prepared by the Council on Trends and Perspective of the Chamber of Commerce of the U. S. ) tabs Signal 26:14-21 Apr '72; Excerpts from Chapter 3. Mil Rev 52:68-79 May '72
- National policy and its effects on Defense communications and electronics. (Address, AFCEA, Washington, June 8, 1972) Eberhardt Rehtin. illus Signal 26:22-24 Jul-Aug '72
- National power and national security. Paul C. Warnke. Forum No. 15:8-17 Spring '72
- National security strategy of realistic deterrence. (Address, Assoc of Old Crows Annual Convention, Washington, Oct 13, 1971) Melvin R. Laird. Elect Warfare 4:4-5 Winter '72
- National security strategy of realistic deterrence. (Summary of statement before House Armed Services Committee on the FY 1973 Defense budget and FY 1973-1977 program, Feb 15, 1972) Melvin R. Laird. AF Plcy Ltr for Comdrs: Sup No. 5:14-26 May '72
- New perspective on aerospace defense. (Address, Fresno Chapter, Air Force Assoc, Fresno, Calif, Sep 9, 1972) MajGen H. A. Hanes. AF Plcy Ltr for Comdrs: Sup No. 10:2-8 Oct '72
- No more Vietnams? Willard L. Beaulac. illus US Nav Inst Proc 98:18-25 Nov '72
- President Nixon's National Security Council system (1969-70). Col Emil N. Block, Jr. chart Forum No. 14:60-77 Winter '71
- The press and the Pentagon Papers. (Remarks preceding panel discussion on "Communications Media," Naval War College, 1971?) Neil Sheehan. illus Nav War Col Rev 24:8-12 Feb '72
- Priorities and allocations in industrial preparedness. Anthony A. Bertsch. illus Def Mgt J 8:46-49+ Oct '72
- A rationale for adequate U.S. aerospace forces. Gen John D. Ryan. illus tab AF Mag 55:50-53 May '72
- Role of OEP (Office of Emergency Preparedness) in mobilization planning. George A. Lincoln. illus Def Mgt J 8:41-45+ Oct '72



SECURITY, NATIONAL - Continued

- SecDef (Melvin R. Laird)'s Defense report: 'A fully developed strategy of realistic deterrence.'  
Brooke Nihart. Armed Forces J 109:54 Mar '72
- Security suffers during elections. LtGen Ira C. Eaker Ret. AF Times 33:13 Sep 20 '72
- A strategy of flexible response. LtCol Peter F. Witteried. illus Parameters 2:2-16 Spring-Summer '72
- Summit and SALT (4 views). illus Sea Power pt 1, Effect of the pacts on U. S. security. Lawrence Griswold. 15:10+; pt 2, Moscow--then and now. George W. Healy, Jr. 15:11-12; pt 3, SALT: Some basic questions. Henry M. Jackson. 15:18-19; pt 4, Spy satellites will monitor pacts. William Beecher. 15:20-24 Jul-Aug '72

SECURITY ASSISTANCE PROGRAM

- Army Security Assistance Program seeks new support approaches--logistics system streamlined. LtGen Joseph M. Heiser, Jr. illus map Def Mgt J 8:76-79 Oct '72
- DOD organizes to meet new challenges of Security Assistance Program: Defense Security Assistance Agency. LtGen George M. Seignious II. illus Def Mgt J 8:55-59 Apr '73
- Improving military assistance. Capt J. S. Hack, Jr. MarCor Gaz 56:51-52 Apr '72
- A revitalized MAP for Latin America. Cpl Walter B. Deering. illus Mil Rev 52:69-75 Nov '72

SECURITY CLASSIFICATION

- Appeals Court frees officer (Capt Donald J. Gagnon) in ruling on secret data. AF Times 32:10 Feb 23 '72
- Classification of operations plans. TIG Brief 24:2 Sep 29 '72
- Classification policies. Table only. TIG Brief 24:8 Dec 22 '72
- DOD is chopping through the security jungle. illus Govt Exec 4:61 Apr '72
- House probes classification leaks. Armed Forces J 109:11 Feb '72
- IG charges abuses of emergency rule (to move civilian employees into sensitive positions). AF Times 33:4 Sep 20 '72
- Inadequate packaging of registered mail. TIG Brief 24:14 Jan 28 '72
- New rules governing classification and declassification of national security information. TIG Brief 24:19-20 Jul 28 '72
- New 'secret' rules take hold June 1st. AF Times 32:2 May 24 '72
- New security classification system. TIG Brief 24:16 May 19 '72
- Remember security precautions when copying classified materiel. TIG Brief 24:22 May 5 '72
- Research in universities. Theos J. Thompson. Ordnance 57:214-216 Nov-Dec '72
- The right to know (the reasons for many decisions of government). BrigGen Henry Huglin, Ret. Ordnance 57:138-139 Sep-Oct '72
- Rising grades--more money. Bob Horowitz. AF Times 32:9 Mar 22 '72

SECURITY CLASSIFICATION - Continued

- Security classifications. TIG Brief 24:11-12 Oct 27 '72
- Security requirements for classified meetings. TIG Brief 24:12 Oct 27 '72
- Security tightened on Pentagon trash. AF Times 33:4 Sep 13 '72
- Special destruction procedures for classified material. TIG Brief 24:13 Mar 24 '72
- Top Secret control, audit, and inventories. TIG Brief 24:2 Aug 18 '72
- We're all responsible for information security. TIG Brief 24:11-12 Mar 24 '72

SECURITY POLICE see Military PoliceSEGREGATIONSee also

- Negroes in the Armed Forces  
Race Relations

SEIGNIOUS, George M., II

- DOD organizes to meet new challenges of Security Assistance Program: Defense Security Assistance Agency. LtGen George M. Seignious II. illus Def Mgt J 8:55-59 Apr '72

SEISMOLOGY

- Seismic effects of reservoirs. Wendell V. Mickey. illus map Mil Engr 64:248-250 Jul-Aug '72
- Structural response to seismic motion generated by conventional explosives. J. P. Nicoletti and J. M. Keith. illus Mil Engr 64:326-329 Sep-Oct '72

SEMI-AUTOMATIC GROUND ENVIRONMENT see SageSEMICONDUCTOR DEVICES

- The transient ghost is finally harnessed. G. D. Jonassen. illus Signal 26:34-35 Mar '72

SENIOR SERVICE SCHOOLS see Staff CollegesSENSORS

- Apollo 16 cosmic ray research. illus Space World I-3-99:6-8 Mar '72
- Data buoys--Gulf gets a "monster." illus Govt Exec 4:22-23 Jul '72
- Demon of death. (Fire support surveillance base) LtCol Jack B. Farris, Jr. illus Fld Artilleryman No. 49:59-64 Feb '72
- Developments in U. S. military reconnaissance. illus Interavia 27:373-375 Apr '72
- Earth resources satellites: Rescuing Earth from outer space. Maj W. D. Siuru, Jr and William G. Holder. illus tab Spaceflight 14:167-171+ May '72
- Earth resources technology satellite--what it will do. illus Space World I-10-106:4-14 Oct '72
- Electronic reconnaissance in Vietnam. illus Intl Def Rev 5:358-362 Aug '72
- Intelligence--a new approach. BrigGen Edward F. Gudgel. illus Signal 26:69-70+ Jun '72
- Interdiction at night in adverse weather. LtCol Philip B. Hopkins, Jr. USAF TAWC Qtr Rpt 3:4-9+ Jan '72
- Netting of ESM (Electronic Support Measures) platforms. Henry J. Morin and Francis J. Enge. illus Elect Warfare 4:10+ Winter '72

SENSORS - Continued

(New helicopter Precision Hover Sensor--PHS)  
Signal 27:56 Nov '72

New sensors for airborne reconnaissance. illus  
Interavia 27:489-493 May '72

Real-time environmental telemetry. Peter J. DeTroy.  
illus Signal 27:38-39 Oct '72

Sensors for defense. Capt Terry S. Robinson and  
1stLt James P. Campbell. illus USAF TAWC Rev  
3:15-19 Apr '72

Skylab sensor may solve astronaut deconditioning.  
AF Times 32:31 Jan 19 '72

Small scientific satellite (S<sup>3</sup>) to be launched. Space  
World I-2-98:35-38 Feb '72

Sweat sensor for qualitative measurements. Joseph  
A. McClure and others. illus Aerosp Med 43:  
1230-1234 Nov '72

They shoot sick plants. (58th Weather Reconnaissance  
Sq tracks corn blight) Ed Blair. illus Airman  
16:52-55 Feb '72

Testing

Silence is noisy. (Army's seismic sensors) illus  
Soldiers 27:46-48 May '72

SEPARATION FROM MILITARY SERVICE see Dis-  
charges, Releases, and Separations

SEPARATION PAY

Comptroller reverses decision on RIF pay. AF Times  
33:2 Sep 13 '72

Exit bonus would ease involuntary separations. Ed  
Gates. AF Times 33:1+ Nov 15 '72

Retired plan includes severance. AF Times 33:3  
Oct 25 '72

Severance pay plan: Bird in the hand or 2 in a bush...  
AF Times 33:4 Nov 1 '72

SERVICE SCHOOLS see Staff Colleges

SERVICE WOMEN see Women in the Armed Forces

SERVICEMEN, DISABLEDSee also

Veterans, Disabled

SERVICEMEN'S CLUBS

AF will undertake open mess training. AF Times  
32:10 Feb 9 '72

Early outs deplete club officer ranks. AF Times 33:6  
Oct 25 '72

Rec centers: Plans call for making facilities art-  
social-education outlets. AF Times 32:17 Jul 5 '72

16 service clubs test 'now' lures. Sue Toma. AF  
Times 32:1+ Apr 26 '72

SERVOMECHANISMS

(SAM--Self-propelled Anthropomorphic Manipulator)  
illus Signal 26:132 Jan-Feb '72

SEX

Sex in the Armed Forces. tab illus Armed Forces J  
109:32-34 Jan '72

SHERRILL, James C.

Improving understanding of the military. (Remarks,  
4th Annual MAC NCO Conference Dining-In,  
Altus AFB, Okla, Nov 19, 1971) LtGen James C.  
Sherrill, delivered by MajGen Gilbert L. Curtis.  
AF Plcy Ltr for Comdrs: Sup No. 2:9-13 Feb '72

SHERRILL, James C. - Continued

(MajGen Donavon F.) Smith, (LtGen James) Sherrill  
take command in Alaska (and other general officer  
actions announced). AF Times 32:2 May 31 '72

SHILLITO, Barry J.

Defense procurement: "Directive 5000.1 is loaded."  
Barry J. Shillito. Govt Exec 4:58+ Apr '72

Logistics: The real measure of Vietnamization.  
Barry J. Shillito. Govt Exec 4:60 Apr '72

SHIPBUILDING

Advances in American shipbuilding. Edwin M. Hood.  
illus Mil Engr 64:172-174 May-Jun '72

Common purpose--common ship? Comdr Erick  
Eugene Johnston. illus US Nav Inst Proc 98:25-33  
Apr '72

Maritime subsidies: An assessment. James J. Mul-  
quin. Persp in Def Mgt, pp 59-65, Winter '71-'72

Merchant Marine: On the road to recovery. L. Edgar  
Prina. illus Sea Power 15:34-35 Nov '72

New Defense budget gets naval tilt. L. Edgar Prina.  
illus tab Sea Power 15:33-34 Feb '72

New ship programs: Trade-off between the present  
and the future. James D. Hessman. Armed  
Forces J 109:30-31+ Apr '72

Piecing together the maritime jigsaw. Larry C.  
Manning. illus Sea Power 15:27-32 Nov '72

The role of the carrier in the control of the seas.  
CAPT Stephen T. De La Mater. illus tab US Nav  
Inst Proc 98:110-125 May '72

Shaping a ship. Pictorial. Edward Bonner. U.S.  
Nav Inst Proc 98:60-71 Jan '72

Soviet shipbuilding and shipyards. Norman Polmar.  
illus tabs map US Nav Inst Proc 98:272-280  
May '72

Trends in Navy program and budget planning.  
(Address, American Society of Military Comptrol-  
lers West Coast Regional Symposium, San Diego,  
Calif, Feb 10-11, 1972) RADM S.H. Moore. illus  
Armed Forces Compt 17:21-23+ Spring '72

The U.S. shipping emergency of the seventies.  
RADM George H. Miller and Max C. McLean. illus  
US Nav Inst Proc 98:142-157 May '72

The versatile, vulnerable container ship. Col Frank  
B. Case. illus US Nav Inst Proc 98:48-53 Feb '72

Whatever happened to the Nixon maritime program?  
Irwin M. Heine. illus Sea Power 15:23-27 May '72

History

The excellent ships of Bombay. LCDR J.M. Windas.  
illus US Nav Inst Proc 98:68-70 Apr '72

Statistics

Merchant shipping data. Tables only. US Nav Inst  
Proc 98:332-333 May '72

SHIPPING

Deadline set for shipping foreign cars. Bob Horowitz.  
AF Times 33:1+ Nov 22 '72

The Eximbank (Export-Import Bank): A truly support-  
able enterprise. Earl W. Clark. illus Def Trans J  
28:56-61 Mar-Apr '72

Future water transport. Maj William D. Siuru, Jr and  
William G. Holder. illus Ordnance 56:395-399  
Mar-Apr '72

SHIPPING - Continued

- The importance of merchant shipping to the Atlantic community. VAdm J. B. M. J. Maas. illus tabs NATO's Fifteen Nations 17:76-80 Feb-Mar '72
- Liberal auto, h(ouse)h(ol)d goods rules periled. Bob Horowitz. AF Times 33:1+ Sep 27 '72
- Rules tightened on auto shipment (and extra household goods). AF Times 33:4 Oct 25 '72
- Ruling allows recoup of shipping costs--entitlement withheld in error. AF Times 32:13 Jul 26 '72
- Shipment of autos debated. AF Times 33:9 Oct 18 '72
- Space-A moving restored for foreign-bought autos. AF Times 33:6 Dec 13 '72

Laws and Regulations

- Today's problem ("uncontrolled" countries where no carriers or agents are inspected and qualified by an ITO): An exception. Charles P. Bailey. illus Translog 3:16-17 Jun '72

Statistics

- Merchant shipping data. Tables only. US Nav Inst Proc 98:332-333 May '72

Japan

- U. S. -Japanese shipping problems. Neil Regeimbal. illus Def Trans J 28:36-38 Sep-Oct '72

Netherlands

- Rotterdam-Europoort--versatility increases efficiency. Frans Posthuma. illus tab Def Trans J 28:50-53 May-Jun '72

Russia

- "Kontainerizatsia"--container transport in the Soviet Union today. Capt Jeffrey E. Barrie. illus map tab Def Trans J 28:60-64 May-Jun '72

Statistics

- The sea and Soviet domestic transportation. Robert E. Athay. illus maps tabs US Nav Inst Proc 98: 158-177 May '72

Thailand

- Containerization in Thailand. George F. Collins. illus Def Trans J 28:54-58 May-Jun '72

United States

- Don't seal it (cargo) with a kiss! Maj Richard L. Moe. illus Translog 3:4-7 Oct '72
- Maritime subsidies: An assessment. James J. Mulquin. Persp in Def Mgt, pp 59-65, Winter '71-'72
- New technology in maritime cargo systems. (Four articles adapted from panel discussion on Containerized Movement Systems) illus Def Trans J pt 1, Introduction, M. E. Parr. 28:34-36; pt 2, The cellular containership, A. J. Mayor. 28:36-38; pt 3, LASH. CAPT Adrian Spidle, Ret. 28:39-42; pt 4, Seabee. S. A. LeBlanc, Jr. 28:42-45 Jul-Aug '72
- On the horizon: A nuclear Merchant Marine? James D. Hessman. illus Sea Power 15:6-11 Nov '72
- Revitalizing America's seapower. RADM John D. Chase. illus Translog 3:6-9 Sep '72
- Status quo paperwork will no longer throttle transportation progress. Robert E. Redding and Harold E. Harriman. illus Def Trans J 28:36-41 Mar-Apr '72

SHIPPING - ContinuedUnited States - Cont'd

- Tidy, tight, thrifty. (GSA's "shrink wrap" system) Jackson B. Weaver. illus Review 51:44-45 Jan-Feb '72
- United States Department of Agriculture: Warehousing and transportation procurement. illus tab Def Trans J 28:56-58 Jan-Feb '72
- U. S. -Japanese shipping problems. Neil Regeimbal. illus Def Trans J 28:36-38 Sep-Oct '72
- The U. S. shipping emergency of the seventies. RADM George H. Miller and Max C. McLean. illus US Nav Inst Proc 98:142-157 May '72

Bibliography

- Cargo security bibliography. Regular feature in issues of Translog

Costs

- Transit privileges reduce transportation costs. James J. Carlin. illus Translog 3:9-10+ May '72

- What about Section 22 (of the Interstate Commerce Act)? A legislative history. Louis A. Masciocchi. illus Translog 3:19-21+ May '72

Statistics

- Merchant shipping data. Tables only. US Nav Inst Proc 98:332-333 May '72

- Transportation procurement at A. I. D.: 300 million tons--some reminiscences. R. C. Duane. illus tabs Def Trans J 28:52-55 Jan-Feb '72

SHIPSSee also specific types of ships, e. g.,

- |               |          |
|---------------|----------|
| Icebreakers   | Tankers  |
| Landing Craft | Warships |
| Patrol Boats  |          |

Armament

- The DLG (guided missile frigate) modernization program. CDR William A. Cockell, Jr. illus US Nav Inst Proc 98:101-104 Jan '72

- Down to a gunless sea? Desmond Scrivenor. illus Intl Def Rev 5:254-257 Jun '72

- A proposal for a new British capital ship. T. R. Philbin. illus tab RUSI J for Def Studies 117:48-51 Jun '72

- The Vickers 4.5 in Mk 8 naval gun mounting. illus Intl Def Rev 5:301-304 Jun '72

Conversion

- A flexible ship and a more responsive Navy. F. W. S. Locke, Jr and Virginia Withington. illus tab Nav War Col Rev 25:54-70 Sep-Oct '72

Design

- A flexible ship and a more responsive Navy. F. W. S. Locke, Jr and Virginia Withington. illus tab Nav War Col Rev 25:54-70 Sep-Oct '72

- A proposal for a new British capital ship. T. R. Philbin. illus tab RUSI J for Def Studies 117:48-51 Jun '72

- A United States Navy for the future. Francis W. Shepherd. US Nav Inst Proc 98:102-105 Mar '72

EquipmentExhibitions

- The Royal Navy Equipment Exhibition (Greenwich, Eng, Sep 21-25, 1971). illus (Also cutaway) Intl Def Rev 4:603-608 Dec '71



SHIPS - ContinuedFuels

Future of distillate fuels. illus Govt Exec 4:22+ Jun '72

Loading and Unloading

Army studies replacement of entire obsolete marine fleet. illus Armed Forces J 110:15+ Dec '72

The combat stevedores. CDR Frank S. Virden. illus tab US Nav Inst Proc 98:106-109 Sep '72

New technology in maritime cargo systems. (Four articles adapted from panel discussion on Containerized Movement Systems) illus Def Trans J pt 1, Introduction. M. E. Parr. 28:34-36; pt 2, The cellular containership. A. J. Mayor. 28:36-38; pt 3, LASH. CAPT Adrian Spidle, Ret. 28:39-42; pt 4, Seabee. S. A. LeBlanc, Jr. 28:42-45 Jul-Aug '72

OSDOC (OffShore Discharge Of Container ships) II. illus Translog 3:8-10+ Oct '72

Retrograde materiel becomes big business. Col Henry G. Allard. illus Translog 3:2-5 Jul '72

The task was unprecedented--the story of the DeLong piers. James Zicarelli. illus Def Trans J pt 1, 28:24-29 Mar-Apr '72; pt 2, 28:40-49 May-Jun '72

The whopping cranes. LCDR James E. Huffman. illus Translog 3:2-5 May '72

Maintenance and Repair

"Beefing up" the black gang. (The crisis in the engine and fire rooms of U.S. Navy ships) LCDR Paul D. Rogers. illus US Nav Inst Proc 98:93-95 Aug '72

Mooring

Rapid mooring-construction system. Henry C. Mayo. illus Mil Engr 64:110-111 Mar-Apr '72

Sonar for tanker mooring site surveys. Lt Kenneth R. Bitting. illus Mil Engr 64:112 Mar-Apr '72

Mothballing

See Mothball Fleet

Safety Measures

"Beefing up" the black gang. (The crisis in the engine and fire rooms of U.S. Navy ships) LCDR Paul D. Rogers. illus US Nav Inst Proc 98:93-95 Aug '72

IndiaHistory

The excellent ships of Bombay. LCDR J. M. Windas. illus US Nav Inst Proc 98:68-70 Apr '72

Russia

Soviet shipbuilding and shipyards. Norman Polmar. illus tabs map US Nav Inst Proc 98:272-280 May '72

TurkeyHistory

The loss of the Turkish frigate Ertuğrul. Erdoğan Sumnu. illus US Nav Inst Proc 98:80-82 Nov '72

United States

Advances in American shipbuilding. Edwin M. Hood. illus Mil Engr 64:172-174 May-Jun '72

SHIPS - ContinuedUnited States - Cont'd

Give us the ships! LCDR A. A. Balunek, Ret. illus US Nav Inst Proc 98:34-43 Apr '72

The sea control ship system. RADM Donald V. Cox. illus US Nav Inst Proc 98:113-115 Apr '72

Ship classification--time for overhaul. LCDR William D. O'Neil III. illus US Nav Inst Proc 98:115-118 Apr '72

The small economy size--surface effect mini-carrier. Larry Booda. illus Sea Power 15:17-21 Jan '72

United States Air Force watercraft. TIG Brief 24:19-20 May 19 '72

Statistics

Ships available to MSC. Tables only. US Nav Inst Proc 98:334 May '72

SHIPS, AUXILIARY see Auxiliary Ships

SHIPS, CARGO see Ships, Transport

SHIPS, CONTAINER see Ships, Transport

SHIPS, NUCLEAR POWERED

See also

Aircraft Carriers, Nuclear Powered  
Submarines, Nuclear Powered

United States

On the horizon: A nuclear Merchant Marine? James D. Hessman. illus Sea Power 15:6-11 Nov '72

SHIPS, TRANSPORT

Super-ports for super-ships. LCDR Ronald D. Rosie. illus Mil Engr 64:105-107 Mar-Apr '72

Russia

"Kontainerizatsia"--container transport in the Soviet Union today. Capt Jeffrey E. Barrie. illus map tab Def Trans J 28:60-64 May-Jun '72

United States

Future water transport. Maj William D. Siuru, Jr and William G. Holder. illus Ordnance 56:395-399 Mar-Apr '72

Interagency study of Sealift Procurement And National Security (SPANS). Russell F. Stryker and James R. Locher III. illus Def Trans J 28:58-61 Sep-Oct '72

Merchant Marine: On the road to recovery. L. Edgar Prina. illus Sea Power 15:34-35 Nov '72

New dimensions in sealift. LtCol Keith S. Kelly. illus Parameters 1:61-70 Winter '72

New technology in maritime cargo systems. (Four articles adapted from panel discussion on Containerized Movement Systems) illus Def Trans J pt 1, Introduction. M. E. Parr. 28:34-36; pt 2, The cellular containership. A. J. Mayor. 28:36-38; pt 3, LASH. CAPT Adrian Spidle, Ret. 28:39-42; pt 4, Seabee. S. A. LeBlanc, Jr. 28:42-45 Jul-Aug '72

OSDOC (OffShore Discharge Of Container ships) II. illus Translog 3:8-10+ Oct '72

Piecing together the maritime jigsaw. Larry C. Manning. illus Sea Power 15:27-32 Nov '72

Revitalizing America's seapower. RADM John D. Chase. illus Translog 3:6-9 Sep '72

SHIPS, TRANSPORT - ContinuedUnited States - Cont'd

Strategic mobility and maritime technology--a challenge for the future. LtGen Walter J. Woolwine. illus Def Trans J 28:31-33 Jul-Aug '72

Travel in the grand style (by cargoliner). Maj Frank S. Besson III. illus Translog 3:6-8 Apr '72

The U.S. shipping emergency of the seventies. RADM George H. Miller and Max C. McLean. illus US Nav Inst Proc 98:142-157 May '72

The versatile, vulnerable container ship. Col Frank B. Case. illus US Nav Inst Proc 98:48-53 Feb '72

Whatever happened to the Nixon maritime program? Irwin M. Heine. illus Sea Power 15:23-27 May '72

SHIP'S STORES see Exchanges--Navy

SHORE PATROL see Military Police

SHORT TAKEOFF AND LANDING see Airplanes, V/STOL

SIANIS, Pete C.

A world series of champions (Olympic Arena '72). MajGen Pete C. Sianis and SSgt R. W. Daniel. Combat Crew 23:4-5 Apr '72

SIGHTSee also

Eyes

Are you having trouble seeing? Joseph A. Marano. illus Approach 18:30-31 Dec '72

Color defective vision and day and night recognition of aviation color signal light flashes. Jo Ann Steen and Mark F. Lewis. illus tabs Aerosp Med 43:34-36 Jan '72

How far can you see? illus Aerosp Safety 28:15 Jan '72

Influence of vision on susceptibility to acute motion sickness studied under quantifiable stimulus-response conditions. W. J. Oosterveld and others. illus tabs Aerosp Med 43:1005-1007 Sep '72

Oh say can you see? (Visual acuity of pilots) LtCol Russell B. Rayman. illus Aerosp Safety 28:16-17 Mar '72

Physiological effects of backscatter of high intensity light pulses on the human pilot. Arthur R. Zeiner and others. illus Aerosp Med 43:1008-1013 Sep '72

Visual illusion. Maj Nicholas E. Barreca. illus USA Avn Dig 18:12-18 Jun '72

SIGNAL CORPSHistory

The new order. (U.S. Army Photographic Agency becomes U. S. Army Audio-Visual Agency) Col Warren R. Colville. illus Signal 27:33-37 Sep '72

SIGNALS AND SIGNALING

Color defective vision and day and night recognition of aviation color signal light flashes. Jo Ann Steen and Mark F. Lewis. illus tabs Aerosp Med 43:34-36 Jan '72

Throw a nickel on the grass. (Signals in emergency situations with inoperative radio) Capt Dennis M. Biggs. illus Interceptor 14:16-18 May '72

Vital visual communications. illus Approach 17:38-40 Jun '72

SIKES, Robert L. F.

Defense and the taxpayer. Robert L. F. Sikes. Mil Engr 64:22-23 Jan-Feb '72

SIKORSKY, Igor I.

Igor Sikorsky dies. obit AF Times 33:61 Nov 15 '72

A tribute to Igor Sikorsky. Claude Witze. por AF Mag 55:26-27 Dec '72

SIMLER, George B.

ATC and the "quality force." Interview. LtGen George B. Simler. por USAF Instrs J 9:4-9 Spring '72

ATC--in step with the times. por AF Mag 55:98-101 May '72

The Air Force role in vocational education. (Address, Armed Forces Day Luncheon, Phoenix, Ariz, May 18, 1972) LtGen G. B. Simler. AF Plcy Ltr for Comdrs: Sup No. 8:19-23 Aug '72

A Community College for the Air Force. Interview. LtGen George B. Simler. por AF Mag 55:65-68 Mar '72

(Gen Jack J.) Catton to head AFLC, Simler going to MAC (and other general officer action announced). AF Times 33:2 Aug 16 '72

General Simler dies. por obit AF Times 33:61 Sep 27 '72

General Simler dies in air crash. por biog AF Mag 55:22 Oct '72

Renaissance in ATC. Ted R. Sturm. por Airman 16:8-12 Apr '72

SIMULATION METHODS

The acute need for simulation command training. Col Wesley W. Yale, Ret. illus Mil Rev 52:38-44 Dec '72

An approach to aerial command and control training. Lt John G. Schleicher. illus USA Avn Dig 18:20-21 Dec '72

CAPE (Computer Assisted Performance Evaluation): A first for the Navy. LCDR Tommy W. Goad. illus US Nav Inst Proc 98:119-120 Feb '72

Effects of simulated sonic booms on tracking performance and autonomic response. Richard I. Thackray and others. illus tabs Aerosp Med 43:13-21 Jan '72

Elements of EW simulation--programming the RF (Radio Frequency) emitter. Thomas F. Curry. illus tabs Elect Warfare 4:26+ Convention Issue '72

The good old days. (Systems Approach to Training (SAT)) Maj Tom LaPolt. illus TAC Attack 12:4-7 Feb '72

Practice autorotation--just a simulated emergency. Maj Bob Gardner. illus MAC Flyer 19:8-9 Sep '72

Simulation: The bridge between theory and practice. Capt Albert R. Amos, Jr. illus Infantry 62:12-15 Mar-Apr '72

SIMULATORSSee also

Flight Simulators

Model of the American Falls. Robert Dymont. illus tab Mil Engr 64:87-89 Mar-Apr '72

Modeling Air Force tactical communications. Emile A. Babineau. illus Signal 27:8-11 Dec '72

SIMULATORS - Continued

- NBT (Navigator-Bombardier Training). Capt Roger E. Rosenberg. Navigator 19, No. 3:25-26 '72
- Simfire--the tank gunnery trainer. J. O. G. Paton. illus RUSI J for Def Studies 117:41-43 Sep '72
- Simulator trains firemen at Eglin (AFB, Fla). AF Times 32:52 Apr 26 '72
- T-43A airborne navigator trainer. illus Navigator 19, No. 3:14-20 '72
- Tactical operations center. Maj Don E. Gordon. MarCor Gaz 56:30-51 Jun '72
- The UNTS (Undergraduate Navigator Training System) simulator. LtCol Henry W. Green, Jr and Capt Robert T. Azuma. illus Navigator 19, No. 3:7-9 '72

SINGAPORE

- After 152 years, Britain leaves Malaysia. John Marriott. Armed Forces J 109:24 Jan '72

Strategic ImportanceHistory

- Singapore 1942: Some warnings. K. Booth. Army Qtr 102:191-200 Jan '72

SINGLE MANAGER SYSTEM

- Data automation program redirection. (Address, Worldwide Air Force Data Automation Conference, Langley AFB, Va, March 15, 1972) Spencer J. Schedler. AF Plcy Ltr for Comdrs: Sup No. 7: 24-28 Jul '72

- Joint tactical communications program. (Address, AFCEA, Washington, June 7, 1972) BrigGen Charles E. Williams, Jr. illus Signal 27:22-24 Sep '72

- NATO Integrated Communications System (NICS). LtGen Walter E. Lotz, Jr. illus chart Signal 26:53-56 Jan-Feb '72

- This business of project management. CAPT Frank H. Featherston. illus US Nav Inst Proc 98:22-29 Jan '72

- Visibility of performance: A requisite for communication system management. LtGen Gordon T. Gould, Jr. illus Signal 26:6-10 Jan-Feb '72

SKY MARSHALS see Airplane Hijacking--PreventionSLEDS, ROCKET see Rocket SledsSLEEP

- Aviator performance and the use of hypnotic drugs. C. R. Harper and G. J. Kidera. Aerosp Med 43:197-199 Feb '72

- Duty hours and sleep patterns in aircrew operating world-wide routes. Anthony N. Nicholson. illus tabs Aerosp Med 43:138-141 Feb '72

- Electroencephalographic and behavioral effects of nocturnally occurring jet aircraft sounds. T. E. LeVere and others. illus tabs Aerosp Med 43: 384-389 Apr '72

- Rest and activity patterns for prolonged extraterrestrial missions. A. N. Nicholson. illus Aerosp Med 43:253-257 Mar '72

- Sleep-wake cycle of an unrestrained isolated chimpanzee under entrained and free running conditions. (Stresses that might occur during prolonged orbital flight) J. J. McNew and others. illus tabs Aerosp Med 43:155-161 Feb '72

SLEEP - Continued

- Temporal organization of night workers' sleep. Gordon G. Globus and others. illus tab Aerosp Med 43:266-268 Mar '72

SMALL ARMSSee also

Pistols

Rifles

- Arms training revised (in AFR 50-57). AF Times 32:45 Jul 26 '72

- Protection of firearms. TIG Brief 24:16 Nov 10 '72

- Protection of small arms storage facilities. TIG Brief 24:20 Sep 1 '72

SMALL BUSINESS

- Air Force and the minority enterprise program. Donald E. Rellins. illus Review 52:35-36+ Jul-Aug '72

- Air Force successful in small business and minority enterprise contract awards. TIG Brief 24:17 Sep 29 '72

- More veterans' benefits offered in new programs. AF Times 33:10 Aug 16 '72

SMITH, Donavon F.

- (MajGen Donavon F.) Smith, (LtGen James) Sherrill take command in Alaska (and other general officer actions announced). AF Times 32:2 May 31 '72

SMITH, Harold P.

- Former SACLAN'T's. por biog NATO's Fifteen Nations 17:24-26 Feb-Mar '72

SMITH, Lynn D.

- Is Pentagon Reserve planning realistic? BrigGen Lynn D. Smith, Ret. illus Army 22:12-17 Feb '72

SMITH, Margaret C.

- AF, Senator hassle over (Reserve) generals. George Foster. AF Times 32:13 Aug 2 '72

SMITH, Stuart H.

- (Supply production continuity) (Address, Joint Meeting, Aerospace Industries Assoc and Electronic Industries Assoc, San Diego, Calif, April 20, 1972) RADM Stuart H. Smith. Log Spectrum 6: 5-7 Winter '72

SMOKE

- Cold smoke (for marking practice bombs). Maj Hugh Dibble. illus USAF TAWC Qtr Rpt 3:20-23 Jan '72

- Mark! Mark! (High altitude smoke drop) Maj Charles D. James. illus USA Avn Dig 18:18-19 Feb '72

SMOKING

- Cigarette smoking and carbon monoxide. LtCol David Root. illus Aerosp Safety 28:14-15 Mar '72

- Decision on smoking left up to airmen. AF Times 32:6 Feb 2 '72

- My friend the addict. Maj Jimmy W. Kilbourne. illus Airman 16:33-34 Apr '72; MAC Flyer 19: 8-9 Aug '72

- Smoking--hung up? Hang it up. Soldiers 27:52-53 Mar '72

SMUGGLING see Customs Service



SNIPERS

What's in the future for the sniper? Maj Kenneth A. Sines. illus Infantry 62:12-13 May-Jun '72

SNOW REMOVAL

The winter of 61. illus Combat Crew 23:4-7+ Nov '72

SNOWDEN, Lawrence F.

Sea-based landing force operations: An evolutionary development. MajGen Lawrence F. Snowden and Maj Marshall N. Carter. por US Nav Inst Proc 98: 105-108 Nov '72

SOARING see Gliding and Soaring

SOCIAL CHANGE

The all-volunteer armed force--its feasibility and implications. Col Jack R. Butler. illus Parameters 2:17-29 Spring-Summer '72

American civil-military relations in the 1980's. Col Richard F. Rosser. illus Nav War Col Rev 24:6-23 Jun '72

A challenge to create change. (Remarks, National Convention of the National Assoc of Secondary School Principals, Anaheim, Calif, March 18, 1972) BrigGen Daniel James, Jr. AF Pley Ltr for Comdrs: Sup No. 6:17-22 Jun '72

Change is for leaders. (Address, Arnold Air Society Dining-In, Purdue University, Lafayette, Ind, Dec 10, 1971) BrigGen William H. Best, Jr. AF Pley Ltr for Comdrs: Sup No. 3:7-12 Mar '72

The coming social industrial complex. Simon Ramo. Signal 26:12-15 Mar '72

The development process and stability operations. Raymond J. Barrett. illus Mil Rev 52:58-68 Nov '72

National defense and national priorities. (Excerpts from study by the same name, prepared by the Council on Trends and Perspective of the Chamber of Commerce of the U. S.) tabs Signal 26:14-21 Apr '72; Excerpts from Chapter 3. Mil Rev 52: 68-79 May '72

A need for personal response. SSgt R. W. Harig. illus MarCor Gaz 56:35-41 Aug '72

Of wars and warriors (American style). Vincent Davis. Nav War Col Rev 25:20-31 Nov-Dec '72

People are different. Ethel J. Alpenfels. Persp in Def Mgt, pp 29-38, Autumn '72

Radical currents in political-economic theory. Martin Bronfenbrenner. Persp in Def Mgt, pp 68-76, Autumn '72

A revolution in organizational concepts. Russell L. Ackoff. illus Nav War Col Rev 24:4-14 Jan '72

Some civilian thoughts on the Navy. (Prize Essay, 1972; 2d Honorable Mention) John C. Seymour. illus US Nav Inst Proc 98:18-23 Sep '72

State of the Nation. Leo Cherne. Persp in Def Mgt, pp 1-10, Winter '71-'72

The structure of American society. Max Lerner. Forum No. 16:14-24 Fall '72

Technology and the establishment. Col Raymond C. Shreckengost. illus Nav War Col Rev 24:16-32 Mar '72

Urban guerrilla warfare. Col Harries-Clichy Peterson. illus Mil Rev 52:82-89 Mar '72

SOCIAL CHANGE - Continued

Youth wants to "no!" Col Anthony L. Wermuth, Ret. illus US Nav Inst Proc 98:50-55 Jul '72

SOCIAL PROBLEMS AND THE MILITARY

The Air Force and equal opportunity. Robert C. Seamans, Jr. illus AU Rev 23:2-8 Sep-Oct '72

Air Force's (Col David) Thompson: A team approach in dealing with hang-ups. illus Govt Exec 4:39 Apr '72

The Army and society. LtCol Frederic J. Brown. illus Mil Rev 52:3-17 Mar '72

The art of command. (Lecture, Naval War College) ADM Arleigh A. Burke, Ret. illus Nav War Col Rev 24:24-28 Jun '72

The impact of societal change on the U.S. Army. LtCol William L. Hauser. illus Parameters 1:9-17 Winter '72

Race relations in the Air Force. (Address, Dept of Army Equal Opportunity Conference, Fort Benning, Ga, Sep 28, 1972) LtCol Earl W. Renfro. AF Pley Ltr for Comdrs: Sup No. 12:25-29 Dec '72

Student antimilitarism and its impact on national security. LtCol Fred K. Mahaffey. Forum No. 13:26-51 Fall '71

Toward a concept of military domestic action. LtCol William R. Corson, Ret. illus Nav War Col Rev 24:15-26 Apr '72

Wastin' in the hills. (Laughlin AFB, Tex and social problems) MSgt Loren B. Leonberger. illus Airman 16:11-14 Aug '72

SOCIAL SECURITY

Another annuity offset tactic. AF Times 33:5 Dec 27 '72

Bill would hike disability benefits. AF Times 32:2 Jul 12 '72

Estimating her benefits--tables show widow's income after Social Security begins. Robert S. Horowitz. AF Times 33:19+ Dec 13 '72

Most GIs get Social Security tax break. Bob Horowitz. AF Times 32:1+ Jul 19 '72

'Offset' proposal: How to calculate retirement pay reform. AF Times 32:10 Jul 26 '72

Retirement-SS 'integration' seen. Randall Shoemaker. AF Times 32:1+ Jun 7 '72

SS deduction hurts Survivor Benefits Plan. Bob Horowitz. AF Times 33:13 Dec 20 '72

Social Security measure carries military credit. AF Times 33:6 Nov 1 '72

SOCIETY OF AMERICAN MILITARY ENGINEERS

(Continuing education for the engineer) (Adapted from papers and discussions, Technical Session, 52d Annual Meeting, Society of American Military Engineers, Annapolis, May 12, 1972) Charles J. Merdinger and others. Mil Engr 64:227-232 Jul-Aug '72

Engineers and the environmental movement. Mil Engr 64:175-176 May-Jun '72

Engineers in the ROTC--1972. illus tabs Mil Engr 64:343-347 Sep-Oct '72

52d Annual Meeting (U.S. Naval Academy, Annapolis, May 12, 1972). illus Mil Engr 64:281-286 Jul-Aug '72

SOCIETY OF LOGISTICS ENGINEERS

Let's rock the boat. (Address, 7th Annual SOLE Convention, Aug 22-23, 1972, Long Beach, Calif) Thomas J. Murrin. illus Log Spectrum 6:18A-D Fall '72

Professional opportunities on the road ahead. Carl Henn. illus Log Spectrum 6:2-4 Summer '72

SOLE awards program. Lewis J. Williams. Log Spectrum 6:4-6 Spring '72

SOCIOLOGY

People are different. Ethel J. Alpenfels. Persp in Def Mgt, pp 29-38, Autumn '72

SOILS

Fusing soils. Maj Edward J. Jankiewicz, Jr. illus Mil Engr 64:422-423 Nov-Dec '72

Soil--an earth resource. John T. Gaffey II. illus Mil Engr 64:8-11 Jan-Feb '72

SOLAR ENERGY

Electric power generation in space. illus Space World 1-8-104:15-34 Aug '72

SOLAR SYSTEM

Astrogenic environments: The effect of stellar spectral classes on the evolutionary pace of life. Krafft A. Ehrlicke. illus tabs Spaceflight 14:2-14 Jan '72

SOLDIERSHistory

What sort of recruit? Maj Reginald Hargreaves, Ret. illus Mil Rev 52:58-67 Jan '72

Rehabilitation

"Wild, man, wild"--Spartan Pathfinder (program) builds strength under pressure with adventure training. SP4 Chuck Noland. illus Soldiers 27: 17-20 Jul '72

Germany (Federal Republic)

The new German soldier--maximum freedom, minimum order. Lee Ewing. illus AF Times, Family sup:6-7+ Jul 19 '72

Great Britain

George Knight Clowes Memorial Prize Essay, 1971: (Training soldiers to be self-sufficient). Lt E. A. Smith. Army Qtr 102:475-482 Jul '72

Russia

How is life, soldier? Three generals and a military journalist reply to a letter from a soldiers mother. Soviet Mil Rev No. 2:12-14 Feb '72

Love for equipment. Capt V. Demyanov. illus Soviet Mil Rev No. 8:37-39 Aug '72

United States

Volunteers a greater disciplinary problem? Armed Forces J 109:17-18 Jan '72

History

The soldiers who were President. Barney Halloran. illus tab Soldiers 27:5-12 Nov '72

SOLICITING

Insurance 'pitch' hit. AF Times 32:13 Apr 26 '72

SONAR

The ASW officer: "Jack of all trades, master of none." Robert R. Mackie. illus US Nav Inst Proc 98:34-40 Feb '72

NATO fixed sonar range commissioned. John Marriott. Armed Forces J 109:29 Aug '72

Sonar for tanker mooring site surveys. Lt Kenneth R. Bitting. illus Mil Engr 64:112 Mar-Apr '72

SONIC BOOM

Effects of simulated sonic booms on tracking performance and autonomic response. Richard L. Thackray and others. illus tabs Aerosp Med 43:13-21 Jan '72

SOUNDING ROCKETS see Rockets, SoundingSOUTH VIETNAM see Vietnam (Republic)SOUTHERN COMMANDSee also

Air Forces Southern Command

A revitalized MAP for Latin America. Cpl Walter B. Deering. illus Mil Rev 52:69-75 Nov '72

We cover the Americas. (206th Aviation Co (AHS)) LtCol Gary V. Dennison. illus USA Avn Dig 18: 32-34 Jul '72

SOVIET UNION see RussiaSPAATZ, Carl

Men who made the Air Force. Herman S. Wolk. illus AU Rev 23:9-23 Sep-Oct '72

SPACE

Is space worth it? Dennis P. McRedmond. Space World I-3-99:20-21 Mar '72

Commercial Applications

Aerospace technology. C. W. Borklund. illus Govt Exec pt 1, A depressed industry and its missing government partner. 4:43-45+ Jan '72; pt 2, Its image, its real nature, its exploitation. 4:63-65+ Feb '72; pt 3, The fight to rebuild momentum. 4: 43-44+ Mar '72; pt 4, Progress and pitfalls in diversification. 4:76+ May '72; pt 5, Series summary: Decision-makers' check list on what needs doing. 4:66-68+ Jun '72

Benefits from NASA-developed technology. Space-flight I-9-105:39-41 Sep '72

Factories in space. Stanislav Khabarov. Space World I-3-99:31-32 Mar '72

Is space worth it? Dennis P. McRedmond. Space World I-3-99:20-21 Mar '72

Soviet cosmonautics and scientific and technical progress. V. Sevastanov and Y. Faddeyev. Space-flight I-9-105:16-21 Sep '72

Space age: New relationship between society and nature. Vitali Sevastyanov and Arkadi Ursul. Space World I-1-97:31-37 Jan '72

Spin-off from space. D. F. A. Edwards. illus Space-flight 14:365-369 Oct '72

International Aspects

After Prospero. Kenneth W. Gatland. tabs illus (Also cutaway) Spaceflight 14:42-44 Feb '72

Ariel 4 in orbit. illus tab Space World I-3-99:13-15 Mar '72

SPACE - ContinuedInternational Aspects - Cont'd

- Ariel 4 in orbit. illus Spaceflight 14:94-95 Mar '72
- Britain urged to join space shuttle programme (by British Interplanetary Society). Spaceflight 14:126-127 Apr '72
- Direct broadcast satellite. TIG Brief 24:17-18 Jul 28 '72
- Does the USA really want space collaboration? Interavia 27:301 Apr '72
- Earth's land masses linked by satellite triangulation. map Space World I-3-99:18-19 Mar '72
- French weather satellite (Eole) launch. illus Space World I-1-97:28-30 Jan '72
- Intercosmos: Results and prospects. Vladlen Vereshchetin. Space World I-1-97:38-39 Jan '72
- Kourou--Europe's equatorial space centre. M. Deskau. illus map Interavia 27:38-40 Jan '72
- Look up! (Space power) LCDR Preston E. Beck. illus tab US Nav Inst Proc 98:107-111 Oct '72
- Manned space stations in earth orbit. A. I. Rudev and V. G. Emin. Space World I-10-106:32-34 Oct '72
- NASA and Soviet medical agreement. Space World I-3-99:35 Mar '72
- NASA launches European spacecraft. illus Space World I-6-102:61-63 Jun '72
- NASA schedule for 1972. Space World I-3-99:22-23 Mar '72
- The newest frontier in communications: The direct broadcast satellite. Capt Kent C. Dugmore. illus AF JAG L Rev 13:259-269 Fall '71
- The 1970 CECLES/ELDO report to the Council of Europe. Interavia 27:43 Jan '72
- RAM (Research and Applications Module). illus Space World I-2-98:32-34 Jan '72
- Russian report. Space World I-3-99:37-42 Mar '72
- Satellite for human need (ERTS-1). illus Spaceflight 14:381-382 Oct '72
- The scope and extent of UK participation in space. A. V. Cleaver. illus Spaceflight 14:99-102 Mar '72
- Select Committee repeats need for more vigorous UK space policy. illus Spaceflight 14:102-103 Mar '72
- Signals from other worlds. (1st Soviet/U.S. Conference on Communications with Extra-Terrestrial Intelligence (CETI)) Boris Belitsky. illus Spaceflight 14:17-19 Jan '72
- The space shuttle: Concept and implications. D. J. Farrar. illus (Also cutaway) tab Spaceflight 14:104-108 Mar '72
- U.S./USSR space agreement. (Text of the agreement on cooperation in space between the United States and the Union of Soviet Socialist Republics signed in Moscow, May 24, 1972) illus Space World I-11-107:4-15 Nov '72
- Will Europe buy American launch vehicles? Interavia 27:19 Jan '72

Medical Applications

- Benefits from NASA-developed technology. Spaceflight I-9-105:39-41 Sep '72
- (NASA and USSR Academy of Sciences Joint Working Group on Space Biology and Medicine) Signal 27: 52 Nov '72

SPACE - ContinuedMedical Applications - Cont'd

- Space payoff. Space World I-3-99:46-47 Mar '72

Military ApplicationsSee alsoSpace Warfare

- How vulnerable are USAF military space systems? Interview. Grant L. Hansen. illus AF Mag 55: 35-40 Jun '72
- Look up! (Space power) LCDR Preston E. Beck. illus tab US Nav Inst Proc 98:107-111 Oct '72
- The space shuttle. L. B. Taylor, Jr. illus Ordnance 57:217-219 Nov-Dec '72

Scientific ApplicationsSee alsoSatellites, Artificial--Scientific Uses

- Discovery in space. Willard F. Rockwell, Jr. illus Ordnance 56:302-304 Jan-Feb '72
- Gemini spacecraft--how it works: The total story of Gemini. illus (Also cutaways) Space World pt 1, I-12-108:4-40 Dec '72
- Look up! (Space power) LCDR Preston E. Beck. illus tab US Nav Inst Proc 98:107-111 Oct '72
- Soviet cosmonautics and scientific and technical progress. V. Sevastanov and Y. Faddeyev. Spaceflight I-9-105:16-21 Sep '72
- Space age: New relationship between society and nature. Vitali Sevastyanov and Arkadi Ursul. Space World I-1-97:31-37 Jan '72
- The space shuttle: Concept and implications. D. J. Farrar. illus (Also cutaway) tab Spaceflight 14: 104-108 Mar '72

SPACE BIOLOGY

- Exobiology, Jupiter and life. P. M. Molton. illus Spaceflight 14:220-223 Jun '72

(NASA and USSR Academy of Sciences Joint Working Group on Space Biology and Medicine) Signal 27: 52 Nov '72

SPACE CLOTHINGSee alsoPressure Suits

- Apollo lunar spacecraft--how it works. The total story of Apollo. illus (Also cutaways) Space World pt 1, I-4-100:4-60 Apr '72; pt 2, I-5-101:4-58 May '72; pt 3, I-6-102:4-59 Jun '72
- Gemini spacecraft--how it works: The total story of Gemini. illus (Also cutaways) Space World pt 1, I-12-108:4-40 Dec '72

SPACE COMMUNICATIONSSee alsoSatellites, Artificial--Communication Applications

- Apollo 16. illus Space World I-7-103:4-12 Jul '72
- Apollo lunar spacecraft--how it works. The total story of Apollo. illus (Also cutaways) Space World pt 1, I-4-100:4-60 Apr '72; pt 2, I-5-101:4-58 May '72; pt 3, I-6-102:4-59 Jun '72
- Earth stations for space communications. illus Space World I-3-99:25-27 Mar '72
- Interstellar beacons. John W. Macvey. illus Spaceflight 14:14-16+ Jan '72



SPACE COMMUNICATIONS - Continued

On the search for extra-solar intelligence. R.P. Haviland. tabs Spaceflight 14:217-219+ Jun '72

Signals from other worlds. (1st Soviet/U.S. Conference on Communications with Extra-Terrestrial Intelligence (CETI)) Boris Belitsky. illus Spaceflight 14:17-19 Jan '72

Trojan communication systems. James Strong. illus Spaceflight 14:143-144 Apr '72

SPACE CREWSSee also

Astronauts

Rest and activity patterns for prolonged extraterrestrial missions. A.N. Nicholson. illus Aerosp Med 43:253-257 Mar '72

Skylab taps AF's (LtCol William R.) Pogue. AF Times 32:22 Feb 2 '72

Sputnik to mutnik to--picnic! (The female astronaut is not far off) Carl R. Konkel and William G. Holder. Space World I-12-108:46-48 Dec '72

SPACE DEBRIS

NORAD charts 6,211 satellites--most are debris. AF Times 33:22 Oct 25 '72

SPACE DEFENSE CENTER

NORAD charts 6,211 satellites--most are debris. AF Times 33:22 Oct 25 '72

The triad... plus 'one.' Col Sheldon I. Godkin. illus AF Mag 55:48-53 Nov '72

SPACE DEFENSES

How vulnerable are USAF military space systems? Interview. Grant L. Hansen. illus AF Mag 55:35-40 Jun '72

SPACE ENVIRONMENT

Astrogenic environments: The effect of stellar spectral classes on the evolutionary pace of life. Krafft A. Ehrlicke. illus tabs Spaceflight 14:2-14 Jan '72

SPACE FEEDING

Far out food for the future. SP4 Chuck Noland. illus Soldiers 27:24-27 Nov '72

Gemini spacecraft--how it works: The total story of Gemini. illus (Also cutaways) Space World pt 1, I-12-108:4-40 Dec '72

SPACE FLIGHTSee also

Space Vehicles

Launch windows to the planets. Heikki Oja. illus tabs Spaceflight 14:386-389 Oct '72

Missiles and astronautics. Col Leon Booth. Ret. Regular feature in issues of Ordinance

Some limitations of the interstellar ramjet. Anthony R. Martin. illus tabs Spaceflight 14:21-25 Jan '72

Soviet cosmonautics and scientific and technical progress. V. Sevastanov and Y. Faddeyev. Spaceflight I-9-105:16-21 Sep '72

Space age: New relationship between society and nature. Vitali Sevastyanov and Arkadi Ursul. Space World I-1-97:31-37 Jan '72

Space report. Regular feature in issues of Spaceflight

SPACE FLIGHT - ContinuedCommercial Applications

See Space--Commercial Applications

International Aspects

See Space--International Aspects

Manned Flights, American

See also specific manned projects by name

Space Project--Apollo

Space Project--Gemini

Manned Flights, Russian

Soyuz: A new generation of Soviet spacecraft. Erich A. Aggen, Jr. Space World I-5-101:64-66 May '72

History

Development of Soviet manned spacecraft. K. Feoktistov. Space World I-10-106:28-30 Oct '72

Physiological AspectsSee also

Weightlessness

Comparative study of two direct methods of bone mineral measurement. Paul C. Rambaut and others. illus tabs Aerosp Med 43:646-650 Jun '72

Direction-specific adaptation effects acquired in a slow rotation room. Ashton Graybiel and James Knepton. illus tabs Aerosp Med 43:1179-1189 Nov '72

Effects of bedrest and centrifugation of humans on serum thyroid function tests. Carolyn S. Leach and others. tab Aerosp Med 43:400-402 Apr '72

Effects of in vivo inhalation of 100% oxygen at reduced pressure on serum and red cell lipids. Emmett L. Foulds and others. illus tabs Aerosp Med 43:651-655 Jun '72

Effects of the space flight environment on man's immune system: I. Serum proteins and immunoglobulins. Craig L. Fischer and others. illus Aerosp Med 43:856-859 Aug '72

Effects of the space flight environment on man's immune system: II. Lymphocyte counts and reactivity. Craig L. Fischer and others. illus Aerosp Med 43:1122-1125 Oct '72

Extended weightlessness and man. Vasily Kopanov. Space World I-1-97:43-44 Jan '72

Jumping on the moon: Power output at different gravity values. Giovanni A. Cavagna and others. illus tab Aerosp Med 43:408-414 Apr '72

Man on a long space flight. Vladimir Shatalov. Space World I-10-106:30-31 Oct '72

Regression analysis for steady state  $N_2$  inequality in  $O_2$  consumption calculations. John H. Cissik and Robert E. Johnson. illus tabs Aerosp Med 43:589-591 Jun '72

Rest and activity patterns for prolonged extraterrestrial missions. A.N. Nicholson. illus Aerosp Med 43:253-257 Mar '72

Skylab sensor may solve astronaut deconditioning. AF Times 32:31 Jan 19 '72

SPACE FLIGHT TO JUPITER

Missions to Jupiter. Anthony R. Martin. illus Spaceflight pt 1, 14:294-299 Aug '72; pt 2, 14:325-332 Sep '72

Pioneers to Jupiter. David Baker. illus tabs Spaceflight 14:111-117 Mar '72

SPACE FLIGHT TO JUPITER - Continued

Proposed Jupiter-Saturn mission. illus Spaceflight I-9-105:22 Sep '72

SPACE FLIGHT TO MARSSee also

Space Project--Mariner  
Space Project--Viking

Man-made sputnik of red planet. T. Borisov. Space World I-6-102:64-65 Jun '72

Observatories exploring reddish planet. G. Petrov and V. Moroz. illus Space World I-5-101:60-64 May '72

Progress in the exploration of Mars. Pictorial. Interavia 27:212-213 Mar '72

The results of Soviet research into Mars. Peter Smolders. tab illus (Also cutaway) Interavia 27:1139-1141 Oct '72

(SAM--Self-propelled Anthropomorphic Manipulator) illus Signal 26:132 Jan-Feb '72

Soviet automatic probes explore Mars. Space World I-12-108:42-45 Dec '72

SPACE FLIGHT TO SATURN

Proposed Jupiter-Saturn mission. illus Spaceflight I-9-105:22 Sep '72

SPACE FLIGHT TO THE MOONSee also

Space Project--Apollo

Objects on the moon. Tables only. Geoffrey Falworth Spaceflight pt 1, 11:384-385 Nov '69; pt 2, 14:145-150 Apr '72

SPACE FLIGHT TO VENUSSee also

Space Project--Mariner

Exploring the secrets of Venus... for 50 minutes. illus Interavia 27:1191 Nov '72

SPACE GLIDERS see Lifting BodiesSPACE INDUSTRY AND TRADE see Aerospace Industry and TradeSPACE LABORATORIES see Space StationsSPACE LAW

Manned space stations in earth orbit. A. I. Rudev and V. G. Emin. Space World I-10-106:32-34 Oct '72

SPACE MEDICINESee also

Space--Medical Applications  
Space Flight--Physiological Aspects

Aerospace medical research in defense systems development. BrigGen George E. Schafer. illus Def Mgt J 8:39-44 Jul '72

Effects of the space flight environment on man's immune system: I. Serum proteins and immunoglobulins. Craig L. Fischer and others. illus Aerosp Med 43:856-859 Aug '72

Effects of the space flight environment on man's immune system: II. Lymphocyte counts and reactivity. Craig L. Fischer and others. illus Aerosp Med 43:1122-1125 Oct '72

NASA and Soviet medical agreement. Space World I-3-99:35 Mar '72

SPACE NAVIGATIONSee also

Satellites, Artificial--Navigation Applications  
also specific satellites by project name, e. g.,  
Space Project--Transit

Interstellar navigation. James R. Wertz. illus tab Spaceflight 14:206-216 Jun '72

Space navigation. illus Space World I-8-104:8-13 Aug '72

SPACE OBSERVATORIES

Astronomy on the moon. illus Spaceflight 14:252-253 Jul '72

Europe's observatory satellite (Thor-Delta IA). illus Spaceflight 14:253-255 Jul '72

Eye on the universe (Orbiting Astronomical Observatory). illus Space World I-10-106:18-27 Oct '72

Man's first space observatory from the moon. illus Space World I-8-104:40-41 Aug '72

Observatories exploring reddish planet. G. Petrov and V. Moroz. illus Space World I-5-101:60-64 May '72

Small optical telescopes on the moon. E. H. Wells. illus (Also cutaway) Spaceflight 14:90-94 Mar '72

Space astronomy. J. S. Griffith. Spaceflight 14:139-142 Apr '72

SPACE PHOTOGRAPHY see Photography, SpaceSPACE POLICYGermany (Federal Republic)

Germany's space policies. illus Interavia 27:345-346 Apr '72

Great Britain

After Prospero. Kenneth W. Gatland. tabs illus (Also cutaway) Spaceflight 14:42-44 Feb '72

The scope and extent of UK participation in space. A. V. Cleaver. illus Spaceflight 14:99-102 Mar '72  
Select Committee repeats need for more vigorous UK space policy. illus Spaceflight 14:102-103 Mar '72

Russia

The Posture parade marches again. Claude Witze. illus AF Mag 55:11-14 Apr '72

United States

The Posture parade marches again. Claude Witze. illus AF Mag 55:11-14 Apr '72

SPACE PROGRAMS

Aerospace review. Regular feature in issues of Aerospace International

The scope and extent of UK participation in space. A. V. Cleaver. illus Spaceflight 14:99-102 Mar '72  
China (People's Republic)

China's nuclear deterrent. Charles H. Murphy. (Adapted from Bulletin of the Atomic Scientists, Jan 1972) illus map AF Mag 55:22-26 Apr '72

Communist Bloc

Intercosmos: Results and prospects. Vladlen Vereshchetin. Space World I-1-97:38-39 Jan '72

Europe, Western

After Prospero. Kenneth W. Gatland. tabs illus (Also cutaway) Spaceflight 14:42-44 Feb '72

SPACE PROGRAMS - ContinuedEurope, Western - Cont'd

- Britain urged to join space shuttle programme (by British Interplanetary Society). Spaceflight 14:126-127 Apr '72
- ELDO's uncertain outlook. Interavia 27:922 Sep '72
- The Europa 3 carrier rocket system. Hans E.W. Hoffmann, tabs illus (Also cutaway) Interavia 27:398-400 Apr '72
- Europa F11 launch: A watery grave. M. Deskau, illus map Interavia 27:41-42 Jan '72
- Europe and post-Apollo: A chaotic position. Kenneth W. Gatland, illus Spaceflight 14:322-324 Sep '72
- Europe's observatory satellite (Thor-Delta 1A), illus Spaceflight 14:253-255 Jul '72
- Kourou--Europe's equatorial space centre. M. Deskau, illus map Interavia 27:38-40 Jan '72
- NASA launches European spacecraft, illus Space World I-6-102:61-63 Jun '72
- The 1970 CECLES/ELDO report to the Council of Europe. Interavia 27:43 Jan '72
- Select Committee repeats need for more vigorous UK space policy, illus Spaceflight 14:102-103 Mar '72
- Summary of major European space activities (Oct 3, 1942-March 12, 1972). Table only. Spaceflight 14:185-186 May '72
- The TD-1A spacecraft. Space World I-7-103:44-45 Jul '72
- Will Europe buy American launch vehicles? Interavia 27:19 Jan '72

France

- French weather satellite (Eole) launch, illus Space World I-1-97:28-30 Jan '72
- Kourou--Europe's equatorial space centre. M. Deskau, illus map Interavia 27:38-40 Jan '72

Germany (Federal Republic)

- Germany's space policies, illus Interavia 27:345-346 Apr '72

Great Britain

- After Prospero. Kenneth W. Gatland, tabs illus (Also cutaway) Spaceflight 14:42-44 Feb '72
- Ariel 4 in orbit, illus tab Space World I-3-99:13-15 Mar '72
- Ariel 4 in orbit, illus Spaceflight 14:94-95 Mar '72
- Britain urged to join space shuttle programme (by British Interplanetary Society). Spaceflight 14:126-127 Apr '72
- The earth resource rocket (British Skylark), illus Spaceflight 14:282-286 Aug '72
- The scope and extent of UK participation in space. A.V. Cleaver, illus Spaceflight 14:99-102 Mar '72
- Select Committee repeats need for more vigorous UK space policy, illus Spaceflight 14:102-103 Mar '72
- The space shuttle: Concept and implications. D.J. Farrar, illus (Also cutaway) tab Spaceflight 14:104-108 Mar '72

India

- Indian aerospace--closing the technology gap. B.J.G. Davidson, illus Interavia 27:1237-1239 Nov '72

SPACE PROGRAMS - ContinuedRussia

- Cosmos coverage of the Indo-Pakistani War. G.E. Perry, maps Spaceflight 14:350 Sep '72
- Earth explored from space--"Salyut" program completed. B. Rodionov, Space World I-3-99:16-17 Mar '72
- Exploring the secrets of Venus...for 50 minutes, illus Interavia 27:1191 Nov '72
- Mars from orbit. Kenneth W. Gatland, illus Spaceflight pt 1, 14:68-70 Feb '72; pt 2, 14:118-120 Mar '72
- NASA and Soviet medical agreement. Space World I-3-99:35 Mar '72
- A new generation of Soviet automatic space stations. Boris Petrov, Space World I-10-106:16-17 Oct '72
- "Professions" of Soviet Sputniks. LtCol M. Rebrov, illus Soviet Mil Rev No. 11:42-44 Nov '72
- Recoverable Cosmos satellites. Geoffrey E. Perry, illus tab Spaceflight 14:183-184 May '72
- Russian report. Space World I-3-99:37-42 Mar '72
- Salyut: The first space laboratory. Peter Smolders, cutaway Interavia 27:306-307 Apr '72
- Soviet analysis of lunar rock (Luna-20 probe). Alexander Vinogradov, tab Space World I-10-106:39-40 Oct '72
- Soviet automatic probes explore Mars. Space World I-12-108:42-45 Dec '72
- Soyuz: A new generation of Soviet spacecraft. Erich A. Aggen, Jr. Space World I-5-101:64-66 May '72

History

- Development of Soviet manned spacecraft. K. Feoktistov, Space World I-10-106:28-30 Oct '72

United States

- The astronaut corps above and beyond... Mid2C Raymond Paul Wiggers, Jr. illus US Nav Inst Proc 98:46-51 Oct '72
- (The future of Cape Kennedy) (Interview with Miles Ross) Walter Froehlich, Spaceflight 14:110 Mar '72

Costs

- How the space shuttle can pay off. Craig Powell, illus Govt Exec 4:60-61+ Aug '72
- Space shuttle--investment in the future. Olin E. Teague. (Reprinted from Aerospace, April 1972) illus Space World I-7-103:20-27 Jul '72
- Two reports on the space shuttle. (Pros and cons of the program) W. Craig Howell, Space World I-11-107:16-32 Nov '72

History

- A decade of U.S. reconnaissance satellites. Alec Galloway, illus tab Intl Def Rev 5:249-253 Jun '72

United States--Air Force

- How vulnerable are USAF military space systems? Interview. Grant L. Hansen, illus AF Mag 55:35-40 Jun '72

United States--National Aeronautics and Space Administration

- Almost all conditions are 'go' for the space shuttle. Interview. Wernher von Braun, illus AF Mag 55:20-26 Mar '72; Aerosp Intl 8:6-8+ May-Jun '72



## SPACE PROGRAMS - Continued

United States--National Aeronautics  
and Space Administration - Cont'd

- Ariel 4 in orbit. illus tab Space World I-3-99:13-15 Mar '72
- Ariel 4 in orbit. illus Spaceflight 14:94-95 Mar '72
- Benefits from NASA-developed technology. Spaceflight I-9-105:39-41 Sep '72
- Earth resources satellites: Rescuing Earth from outer space. Maj W. D. Siuru, Jr and William G. Holder. illus tab Spaceflight 14:167-171+ May '72
- Earth resources technology satellite. Kenneth L. Godd. illus Spaceflight I-9-105:4-9 Sep '72
- Earth resources technology satellite--what it will do. illus Space World I-10-106:4-14 Oct '72
- Europe and post-Apollo: A chaotic position. Kenneth W. Gatland. illus Spaceflight 14:322-324 Sep '72
- Gemini spacecraft--how it works: The total story of Gemini. illus (Also cutaways) Space World pt 1, I-12-108:4-40 Dec '72
- Geostationary environmental satellites. J. Gordon Vaeth. map illus (Also cutaway) Spaceflight 14:370-374 Oct '72
- How the space shuttle can pay off. Craig Powell. illus Govt Exec 4:60-61+ Aug '72
- Mariner 9 Mars encounter--November 13 (1971). illus map tab Space World I-2-98:15-22 Feb '72
- Mission to Mars. Space World I-2-98:4-13 Feb '72
- NASA and Soviet medical agreement. Space World I-3-99:35 Mar '72
- The NASA budget for fiscal year 1973. David Baker. illus tab Spaceflight 14:362-364 Oct '72
- NASA launches European spacecraft. illus Space World I-6-102:61-63 Jun '72
- NASA schedule for 1972. Space World I-3-99:22-23 Mar '72
- NASA to survey Earth's resources. illus Space World I-1-97:8-16 Jan '72
- President Nixon approves space shuttle programme. illus Interavia 27:115 Feb '72
- Proposed Jupiter-Saturn mission. illus Spaceflight I-9-105:22 Sep '72
- RAM (Research and Applications Module). illus Space World I-2-98:32-34 Jan '72
- Research and applications module. David Dooling, Jr. illus Spaceflight 14:109+ Mar '72
- The SOLRAD (SOLar RADiation) satellite. Space World I-1-97:22-25 Jan '72
- Satellite for human need (ERTS-1). illus Spaceflight 14:381-382 Oct '72
- Savings claimed in space shuttle. LtGen Ira C. Eaker, Ret. AF Times 32:13 Feb 2 '72
- The shuttle--an economic appraisal. David Baker. illus Spaceflight 14:52-54+ Feb '72
- Skylab program. illus Space I-11-107:45-46 Nov '72
- Skylab telescope pre-launch tests. illus Space World I-3-99:4-5 Mar '72
- Space program lacks urgency (as) result of civilian emphasis. Bruce Callander. AF Times 32:13 Feb 23 '72

## SPACE PROGRAMS - Continued

United States--National Aeronautics  
and Space Administration - Cont'd

- Space shuttle. illus tabs Space World I-7-103:13-19 Jul '72
- The space shuttle. L. B. Taylor, Jr. illus Ordnance 57:217-219 Nov-Dec '72
- The space shuttle. (Statements by Richard M. Nixon and James C. Fletcher, Jan 5, 1972) illus Spaceflight 14:122-125 Apr '72
- The space shuttle: Concept and implications. D. J. Farrar. illus (Also cutaway) tab Spaceflight 14:104-108 Mar '72
- Space shuttle: Crisis and decision. David Dooling, Jr. tabs illus (Also cutaway) Spaceflight 14:242-245 Jul '72
- Two reports on the space shuttle. (Pros and cons of the program) W. Craig Howell. Space World I-11-107:16-32 Nov '72
- Will Europe buy American launch vehicles? Interavia 27:19 Jan '72

SPACE PROJECTApollo

- AFer, Apollo 16 mates prepare for moon voyage. AF Times 32:41 Apr 12 '72
- Airmen's roles vital to Apollo 16 flight. AF Times 32:5 Apr 19 '72
- Apollo 15 crew reprimanded--moon stamp smuggling criticized. AF Times 32:6 Jul 26 '72
- Apollo 15 photo album. Pictorial. Space World I-2-98:23-31 Feb '72
- Apollo 16. illus Space World I-7-103:4-12 Jul '72
- Apollo 16 cosmic ray research. illus Space World I-3-99:6-8 Mar '72
- Apollo 17 crew named. Space World I-2-98:49 Feb '72
- Apollo 17 site selection. Spaceflight I-9-105:10-11 Sep '72
- Apollo lunar spacecraft--how it works. The total story of Apollo. illus (Also cutaways) Space World pt 1, I-4-100:4-60 Apr '72; pt 2, I-5-101:4-58 May '72; pt 3, I-6-102:4-59 Jun '72
- Apollo/Saturn 5 safety. David Dooling, Jr. illus Spaceflight 14:375-376 Oct '72
- Archaeological techniques applied to lunar program. Space World I-7-103:48 Jul '72
- The BIS at Cape Kennedy. illus tab map Spaceflight pt 1, 14:40 Jan '72; pt 2, 14:45-49 Feb '72
- Discovery in space. Willard F. Rockwell, Jr. illus Ordnance 56:302-304 Jan-Feb '72
- Distribution of Apollo 15 lunar samples. Space World I-3-99:33 Mar '72
- Exploration at Hadley-Rille. R. J. Fryer. illus map Spaceflight 14:86-89+ Mar '72
- The "flick" of a switch--sealed relays play a critical role in the Apollo moon missions. E. H. Morgan. Space World I-8-104:46-47 Aug '72
- History of the moon. S. W. Richardson. illus Spaceflight 14:82-85 Mar '72

SPACE PROJECT - ContinuedApollo - Cont'd

- A look at Apollo ground support control. Capt Richard J. Stachurski. illus AU Rev 23:55-67 Mar-Apr '72
- Lunar mobility research. K.J. Melzer. illus Mil Engr 64:82-84 Mar-Apr '72
- Man's first space observatory from the moon. illus Space World I-8-104:40-41 Aug '72
- Mission to Descartes. David Baker. illus map Spaceflight pt 1, 14:246-251 Jul '72; pt 2, 14:287-291 Aug '72
- Mission to Taurus-Littrow, Apollo 17 landing site. illus Spaceflight 14:342-343 Sep '72
- The moon voyagers. Pictorial. H.R. Kaplan. Review 51:65-67+ Jan-Feb '72
- Return to the Cape; an account of the excursion by BIS members to see the launch of Apollo 16. Max Wholey. illus Spaceflight 14:335-341 Sep '72
- Roving vehicle on the moon. S. F. Morea and C. D. Arnett. illus tab Mil Engr 64:322-325 Sep-Oct '72
- T-minus disaster! (Rescue procedures for Apollo aborted missions) MSgt L. B. Leonberger. illus Airman 16:2-8 Dec '72

Chronology

- Lunar mission Apollo 16: New problems and achievements. (Major events of the mission) illus Interavia 27:600 Jun '72

Gemini

- Gemini spacecraft--how it works: The total story of Gemini. illus (Also cutaways) Space World pt 1, I-12-108:4-40 Dec '72

LEM

See Space Project--Lunar Module

LM

See Space Project--Lunar Module

Lunar Module

- Apollo lunar spacecraft--how it works. The total story of Apollo. illus (Also cutaways) Space World pt 1, I-4-100:4-60 Apr '72; pt 2, I-5-101:4-58 May '72; pt 3, I-6-102:4-59 Jun '72

Mariner

- (Advances in computer software help "see through" dust clouds of Mars.) Signal 26:110 Jun '72
- Mariner 9: A successful mission to Mars. illus Interavia 27:81 Jan '72
- Mariner 9 Mars encounter--November 13 (1971). illus map tab Space World I-2-98:15-22 Feb '72
- Mariner 9 studies Mars. Space World I-1-97:4-7 Jan '72
- Mars from orbit. Kenneth W. Gatland. illus Spaceflight pt 1, 14:68-70 Feb '72; pt 2, 14:118-120 Mar '72
- Mission to Mars. Space World I-2-98:4-13 Feb '72
- Progress in the exploration of Mars. Pictorial. Interavia 27:212-213 Mar '72
- Real time image enhancement. illus Space World I-8-104:4-7 Aug '72

Nimbus

- Nimbus 4 continues to gather data. Spaceflight I-9-105:45-46 Sep '72

SPACE PROJECT - ContinuedPAGEOS

- Earth's land masses linked by satellite triangulation. map Space World I-3-99:18-19 Mar '72

Pioneer

- Missions to Jupiter. Anthony R. Martin. illus Spaceflight pt 1, 14:294-299 Aug '72; pt 2, 14:325-332 Sep '72
- Pioneer F mission to Jupiter. Space World I-7-103:38-39 Jul '72
- Pioneers to Jupiter. David Baker. illus tabs Spaceflight 14:111-117 Mar '72
- RAM  
See Space Project--Research and Applications Module

Research and Applications Module

- RAM (Research and Applications Module). illus Space World I-2-98:32-34 Jan '72
- Research and applications module. David Dooling, Jr. illus Spaceflight 14:109+ Mar '72

SNAP

- Electric power generation in space. illus Space World I-8-104:15-34 Aug '72

Saturn

- Apollo/Saturn 5 safety. David Dooling, Jr. illus Spaceflight 14:375-376 Oct '72

Scout

- Ariol 4 in orbit. illus tab Space World I-3-99:13-15 Mar '72

Skylab

- NASA to survey Earth's resources. illus Space World I-1-97:8-16 Jan '72
- Preparing for Skylab. Spaceflight 14:382-383 Oct '72
- (Skylab, an experimental space station that will be placed in Earth orbit to conduct scientific, technological, and biomedical investigations, to be orbited in 1973) Signal 27:51 Dec '72
- Skylab--pre-shuttle manned space effort. (Reprinted from Aerospace, April 1972) illus Space World I-7-103:34-37 Jul '72
- Skylab program. illus Space I-11-107:45-46 Nov '72
- Skylab sensor may solve astronaut deconditioning. AF Times 32:31 Jan 19 '72
- Skylab taps AF's (LtCol William R.) Pogue. AF Times 32:22 Feb 2 '72
- Skylab telescope pre-launch tests. illus Space World I-3-99:4-5 Mar '72
- Wardroom in the sky (Skylab). Robert J. Boylan. illus (Also cutaway) Sea Power 15:24-28 Apr '72

Telstar

- (10th anniversary of Telstar satellite) Signal 27:78 Sep '72

Transit

- Navigation satellite gets test. AF Times 33:45 Sep 27 '72

Viking

- Project Viking. David Dooling, Jr. illus Spaceflight 14:162-166 May '72

SPACE RACESee also

Space--International Aspects

The Posture parade marches again. Claude Witze.  
illus AF Mag 55:11-14 Apr '72

SPACE RESCUE

(Skylab, an experimental space station that will be placed in Earth orbit to conduct scientific, technological, and biomedical investigations, to be orbited in 1973) Signal 27:51 Dec '72

T-minus disaster! (Rescue procedures for Apollo aborted missions) MSgt L. B. Leonberger. illus Airman 16:2-8 Dec '72

SPACE RESEARCHSee also

Space--International Aspects

Space--Medical Applications

Space Medicine

Space Programs

also projects under specific name, e. g.,

Space Project--Apollo

Aerospace review. Regular feature in issues of  
Aerospace International

By the end of the century... (Remarks, Wright Memorial Dinner, Aero Club of Washington, Dec 17, 1957) LtGen James H. Doolittle, Ret. (Reprinted from Air Force, March 1958) illus AF Mag 55: 84-86 Sep '72

Earth explored from space--"Salyut" program completed. B. Rodionov. Space World I-3-99:16-17 Mar '72

Space age: New relationship between society and nature. Vitali Sevastyanov and Arkadi Ursul. Space World I-1-97:31-37 Jan '72

Space report. Regular feature in issues of Spaceflight

Commercial Applications

Gasification--new fuels source? Interview. Jennings Randolph. Govt Exec 4:16 Nov '72

Space payoff. Space World I-3-99:46-47 Mar '72

Spin-off from space. D. F. A. Edwards. illus Space-flight 14:365-369 Oct '72

Russia

Observatories exploring reddish planet. G. Petrov and V. Moroz. illus Space World I-5-101:60-64 May '72

The Posture parade marches again. Claude Witze. illus AF Mag 55:11-14 Apr '72

The results of Soviet research into Mars. Peter Smolders. tab illus (Also cutaway) Interavia 27: 1139-1141 Oct '72

Russian report. Space World I-3-99:37-42 Mar '72

Soviet automatic probes explore Mars. Space World I-12-108:42-45 Dec '72

United States

News from the world of space exploration. Regular feature in some issues of Space World

The Posture parade marches again. Claude Witze. illus AF Mag 55:11-14 Apr '72

SPACE RESEARCH - ContinuedUnited States--National Aeronautics and Space Administration

Lunar mobility research. K. J. Melzer. illus Mil Engr 64:82-84 Mar-Apr '72

NASA schedule for 1972. Space World I-3-99:22-23 Mar '72

Research and applications module. David Dooling, Jr. illus Spaceflight 14:109+ Mar '72

Small scientific satellite (S<sup>3</sup>) to be launched. Space World I-2-98:35-38 Feb '72

Space payoff. Space World I-3-99:46-47 Mar '72

Wardroom in the sky (Skylab). Robert J. Boylan. illus (Also cutaway) Sea Power 15:24-28 Apr '72

SPACE SHUTTLES see Space Transporters

SPACE STATIONSSee also

Space Project--Skylab

Earth explored from space--"Salyut" program completed. B. Rodionov. Space World I-3-99:16-17 Mar '72

Manned space stations in earth orbit. A. I. Rudev and V. G. Emin. Space World I-10-106:32-34 Oct '72

A new generation of Soviet automatic space stations. Boris Petrov. Space World I-10-106:16-17 Oct '72

Research and applications module. David Dooling, Jr. illus Spaceflight 14:109+ Mar '72

Russian report. Space World I-3-99:37-42 Mar '72

Salyut: The first space laboratory. Peter Smolders. cutaway Interavia 27:306-307 Apr '72

Design

Skylab--pre-shuttle manned space effort. (Reprinted from Aerospace, April 1972) illus Space World I-7-103:34-37 Jul '72

SPACE TAXIS see Space Transporters

SPACE TRANSPORTERS

Almost all conditions are 'go' for the space shuttle. Interview. Wernher von Braun. illus AF Mag 55:20-26 Mar '72; Aerosp Intl 8:6-8+ May-Jun '72

Britain urged to join space shuttle programme (by British Interplanetary Society). Spaceflight 14:126-127 Apr '72

Engine concepts for space applications. William G. Holder and Maj William D. Siuru, Jr. illus AU Rev 23:45-53 Sep-Oct '72

Europe and post-Apollo: A chaotic position. Kenneth W. Gatland. illus Spaceflight 14:322-324 Sep '72

How the space shuttle can pay off. Craig Powell. illus Govt Exec 4:60-61+ Aug '72

How vulnerable are USAF military space systems? Interview. Grant L. Hansen. illus AF Mag 55: 35-40 Jun '72

An illustrated full-color description of a typical space shuttle mission. Spaceflight I-9-105:23-30 Sep '72

President Nixon approves space shuttle programme. illus Interavia 27:115 Feb '72



SPACE TRANSPORTERS - Continued

- RAM (Research and Applications Module). illus  
Space World I-2-98:32-34 Jan '72
- Research and applications module. David Dooling, Jr.  
illus Spaceflight 14:109+ Mar '72
- Savings claimed in space shuttle. LtGen Ira C. Eaker,  
Ret. AF Times 32:13 Feb 2 '72
- The shuttle--an economic appraisal. David Baker.  
illus Spaceflight 14:52-54+ Feb '72
- Space shuttle. illus tabs Space World I-7-103:13-19  
Jul '72
- The space shuttle. L.B. Taylor, Jr. illus Ordnance  
57:217-219 Nov-Dec '72
- The space shuttle. (Statements by Richard M. Nixon  
and James C. Fletcher, Jan 5, 1972) illus  
Spaceflight 14:122-125 Apr '72
- The space shuttle: Concept and implications. D.J.  
Farrar. illus (Also cutaway) tab Spaceflight 14:  
104-108 Mar '72
- Space shuttle: Crisis and decision. David Dooling, Jr.  
tabs illus (Also cutaway) Spaceflight 14:242-245  
Jul '72
- Space shuttle--investment in the future. Olin E.  
Teague. (Reprinted from Aerospace, April 1972)  
illus Space World I-7-103:20-27 Jul '72
- Space shuttle main engine. David Dooling, Jr. illus  
Spaceflight 14:55-57 Feb '72
- Space (shuttle) "plum" for North American Rockwell.  
illus Interavia 27:929 Sep '72
- Two reports on the space shuttle. (Pros and cons of  
the program) W. Craig Howell. Space World  
I-11-107:16-32 Nov '72
- (Utah) Spaceport Committee report (recommending  
Dugway, Utah as launch and recovery base for  
the space shuttle program). illus map Spaceflight  
I-9-105:12-15 Sep '72
- Wardroom in the sky (Skylab). Robert J. Boylan. illus  
(Also cutaway) Sea Power 15:24-28 Apr '72

SPACE VEHICLESSee also

- Satellites, Artificial  
Space Stations  
Space Transporters  
also space vehicles under project name, e.g.,  
Space Project--Scout

- Development of Soviet manned spacecraft. K. Feoktis-  
tov. Space World I-10-106:28-30 Oct '72

Components

- Apollo lunar spacecraft--how it works. The total  
story of Apollo. illus (Also cutaways) Space World  
pt 1, I-4-100:4-60 Apr '72; pt 2, I-5-101:4-58  
May '72; pt 3, I-6-102:4-59 Jun '72

Cooling Systems

- See Space Vehicles--Environmental Control

Costs

- Europe and post-Apollo: A chaotic position. Kenneth  
W. Gatland. illus Spaceflight 14:322-324 Sep '72
- The shuttle--an economic appraisal. David Baker.  
illus Spaceflight 14:52-54+ Feb '72

- Space shuttle: Crisis and decision. David Dooling, Jr.  
tabs illus (Also cutaway) Spaceflight 14:242-245  
Jul '72

SPACE VEHICLES - ContinuedDesign

- Apollo lunar spacecraft--how it works. The total  
story of Apollo. illus (Also cutaways) Space World  
pt 1, I-4-100:4-60 Apr '72; pt 2, I-5-101:4-58  
May '72; pt 3, I-6-102:4-59 Jun '72

- Gemini spacecraft--how it works: The total story of  
Gemini. illus (Also cutaways) Space World pt 1,  
I-12-108:4-40 Dec '72

- Positioning of aircrews--ultima ratio of G protection?  
Harald J. von Beckh. illus Aerosp Med 43:743-754  
Jul '72

- President Nixon approves space shuttle programme.  
illus Interavia 27:115 Feb '72

- Project Viking. David Dooling, Jr. illus Spaceflight  
14:162-166 May '72

- Soyuz: A new generation of Soviet spacecraft. Erich  
A. Aggen, Jr. Space World I-5-101:64-66 May '72

- The space shuttle. (Statements by Richard M. Nixon  
and James C. Fletcher, Jan 5, 1972) illus  
Spaceflight 14:122-125 Apr '72

- Space shuttle: Crisis and decision. David Dooling, Jr.  
tabs illus (Also cutaway) Spaceflight 14:242-245  
Jul '72

Electronic Equipment

- See Electronic Equipment (Space Vehicles)

Environmental ControlSee also

- Space Vehicles--Life Support Systems

- Apollo lunar spacecraft--how it works. The total  
story of Apollo. illus (Also cutaways) Space World  
pt 1, I-4-100:4-60 Apr '72; pt 2, I-5-101:4-58  
May '72; pt 3, I-6-102:4-59 Jun '72

Ground-Support Equipment

- The BIS at Cape Kennedy. illus tab map Spaceflight  
pt 1, 14:40 Jan '72; pt 2, 14:45-49 Feb '72

- A look at Apollo ground support control. Capt Richard  
J. Stachurski. illus AU Rev 23:55-67 Mar-Apr '72

- Gemini spacecraft--how it works: The total story of  
Gemini. illus (Also cutaways) Space World pt 1,  
I-12-108:4-40 Dec '72

- Guam station gears up for Anik launch. illus Space  
World I-11-107:47-48 Nov '72

- Return to the Cape; an account of the excursion by  
BIS members to see the launch of Apollo 16. Max  
Wholey. illus Spaceflight 14:335-341 Sep '72

- Supporting moon missions is routine for men of (U.S.  
Army) Cape Kennedy Outport. Frank K. Costa.  
illus Translog 3:22-24 May '72

Guidance and Control

- Apollo lunar spacecraft--how it works. The total  
story of Apollo. illus (Also cutaways) Space World  
pt 1, I-4-100:4-60 Apr '72; pt 2, I-5-101:4-58  
May '72; pt 3, I-6-102:4-59 Jun '72

- Gemini spacecraft--how it works: The total story of  
Gemini. illus (Also cutaways) Space World pt 1,  
I-12-108:4-40 Dec '72

- Mission to Descartes. David Baker. illus map Space-  
flight pt 1, 14:246-251 Jul '72; pt 2, 14:287-291  
Aug '72

LandingSee also

- Space Project--Lunar Module

SPACE VEHICLES - ContinuedLanding - Cont'd

Gemini spacecraft--how it works: The total story of Gemini. illus (Also cutaways) Space World pt 1, I-12-108:4-40 Dec '72

Launching

Europa F11 launch: A watery grave. M. Deskau. illus map Interavia 27:41-42 Jan '72

Gemini spacecraft--how it works: The total story of Gemini. illus (Also cutaways) Space World pt 1, I-12-108:4-40 Dec '72

Kourou--Europe's equatorial space centre. M. Deskau. illus map Interavia 27:38-40 Jan '72

Launch windows to the planets. Heikki Oja. illus tabs Spaceflight 14:386-389 Oct '72

(Utah) Spaceport Committee report (recommending Dugway, Utah as launch and recovery base for the space shuttle program). illus map Spaceflight I-9-105:12-15 Sep '72

Life Support Systems

Apollo lunar spacecraft--how it works. The total story of Apollo. illus (Also cutaways) Space World pt 1, I-4-100:4-60 Apr '72; pt 2, I-5-101:4-58 May '72; pt 3, I-6-102:4-59 Jun '72

Closed loop life support systems. David Dooling, Jr. illus tab Spaceflight 14:134-139 Apr '72

Orbits

Mariner 9 Mars encounter--November 13 (1971). illus map tab Space World I-2-98:15-22 Feb '72

Mission to Mars. Space World I-2-98:4-13 Feb '72

Space navigation. illus Space World I-8-104:8-13 Aug '72

Power SupplySee also

Space Project--SNAP

Apollo lunar spacecraft--how it works. The total story of Apollo. illus (Also cutaways) Space World pt 1, I-4-100:4-60 Apr '72; pt 2, I-5-101:4-58 May '72; pt 3, I-6-102:4-59 Jun '72

Electric power generation in space. illus Space World I-8-104:15-34 Aug '72

Gemini spacecraft--how it works: The total story of Gemini. illus (Also cutaways) Space World pt 1, I-12-108:4-40 Dec '72

RecoverySee also

Satellites, Artificial--Recovery

Rendezvous and Docking

Russian report. Space World I-3-99:37-42 Mar '72

Soyuz: A new generation of Soviet spacecraft. Erich A. Aggen, Jr. Space World I-5-101:64-66 May '72

Safety Measures

Apollo/Saturn 5 safety. David Dooling, Jr. illus Spaceflight 14:375-376 Oct '72

Gemini spacecraft--how it works: The total story of Gemini. illus (Also cutaways) Space World pt 1, I-12-108:4-40 Dec '72

SPACE VEHICLES - ContinuedTracking

Earth stations for space communications. illus Space World I-3-99:25-27 Mar '72

Supporting moon missions is routine for men of (U.S. Army) Cape Kennedy Outport. Frank K. Costa. illus Translog 3:22-24 May '72

Trajectories

Launch windows to the planets. Heikki Oja. illus tabs Spaceflight 14:386-389 Oct '72

Mission to Mars. Space World I-2-98:4-13 Feb '72

Space navigation. illus Space World I-8-104:8-13 Aug '72

SPACE WARFARE

The question of Soviet orbital bombs. Edgar Ulsamer. AF Mag 55:74-75 Apr '72; Aerosp Intl 8:18-19 May-Jun '72

SPARE PARTSSee also

Airplanes, Military--Spare Parts  
Helicopters, Military--Spare Parts

Base stock leveling and stock control computer simulations. H. C. Hunt. illus Review 51:49+ May-Jun '72

Contractor-Operated PARTs Store (COPARS). TIG Brief 24:17 Sep 29 '72

Control of parts for delayed maintenance. TIG Brief 24:6 Sep 15 '72

Measuring supply effectiveness in R&D. Bernard P. Cutrera. illus tabs Log Spectrum 6:21-27 Winter '72

Optimum spares provisioning. Alan D. Bragg. illus tab Log Spectrum 6:2-4 Winter '72

(Supply production continuity) (Address, Joint Meeting, Aerospace Industries Assoc and Electronic Industries Assoc, San Diego, Calif, April 20, 1972) RADM Stuart H. Smith. Log Spectrum 6:5-7 Winter '72

SPATIAL DISORIENTATION

Flicker vertigo. David T. Forbes. (Reprinted from U.S. Army Aviation Digest, Dec 1971) MAC Flyer 19:20-23 May '72

IMC (Instrument Meteorological Condition)--friend or foe? CW3 John L. Coleman. illus USA Avn Dig 18:54-57 Jan '72

The oculogravic illusion. LCDR B.J. Smith. illus Approach 18:38-40 Oct '72

Right side up, or upside down? Gene Berta. tabs USA Avn Dig pt 1, 18:32-37 Oct '72; pt 2, 18:30-33 Nov '72; pt 3, 18:30-34 Dec '72

Seeing is deceiving. (Adapted from Interceptor, Dec 1970) illus Interceptor 14:8-12 Oct '72

Vestibular illusions and how to whip them. Maj Bennett G. Owens, Jr. illus USA Avn Dig 18:12-15+ May '72

Which way is up. (Vertigo) Maj Bennett G. Owens, Jr. illus USA Avn Dig 18:12-15 Apr '72

SPECIAL AIR WARFARE CENTER see Special Operations Force

SPECIAL EXPERIENCE IDENTIFIERS see Personnel  
Classification -- Air Force -- U.S.

# SPECIAL OPERATIONS FORCE

Quo vadis? -- The Nixon doctrine and air power. Col Robert L. Gleason. illus AU Rev 23:45-56 Jul-Aug '72

SPECIAL WARFARE see Unconventional Warfare

SPECIALISTS see Manpower, Technical

# SPECIFICATIONS

New Federal building criteria. Arthur F. Sampson. Mil Engr 64:85-86 Mar-Apr '72

# SPEECH

Speech intelligibility during exercise at normal and increased atmospheric pressures. Thomas Murry and others. illus tab Aerosp Med 43:887-890 Aug '72

Tell it as it is (with effective communication). Argus Tresidder. illus MarCor Gaz 56:32-35 Apr '72

## Study and Teaching

Communication barrier: Stage fright. Kurt W. Ritter. USAF Instrs J 9:25-29 Spring '72

# SPIES AND SPYING

Fact or fiction? TIG Brief 24:1-2 Sep 15 '72

# SPONSOR PROGRAMS

Students, trainees due 'welcome' at new bases. AF Times 32:2 Feb 16 '72

# SPORTS

Adventures in Military Associated Sports Program. Capt Ronald W. Cullumber. illus Infantry 62:34-35 Nov-Dec '72

Army Olympians. John Michael Coleman. illus Soldiers 27:30-34 Nov '72

8 AF athletes in Olympics. illus AF Times 33:51 Sep 6 '72

(Olympic game communications coverage) Signal 26: 82 Jul-Aug '72

Orienteering. Maj Robert L. Sloane. illus map Armor 81:20-23 Nov-Dec '72

Reserve's mini-Olympics. (NATO/CIOR 1972 competition) SP4 Chuck Noland. illus Soldiers 27:37-39 Oct '72

Soldier-athletes are seeking gold (at the Olympics). Sgt1C D. Mallicoat. illus Soldiers 27:26-27 Aug '72

31 servicemen make Olympics at Sapporo, Japan. AF Times 32:50 Feb 9 '72

U.S. military Olympians more than pull own weight. Brook Nihart. illus tab Armed Forces J 110:15+ Oct '72

'... Upon the fields of friendly strife.' (The military and the Olympics) William G. McNamara. illus Army 22:32-36 Aug '72

SPRUANCE, William W.

ANG General wins McClellan Award. AF Times 33:2 Nov 8 '72

# SQUADRON OFFICER SCHOOL

(Col William H. Ginn, Jr) goes up (to become Commandant of SOS). illus AF Times 32:21 Jan 19 '72

# SQUADRON OFFICER SCHOOL - Continued

## Statistics

Statistics given for SOS students. AF Times 32:38 Mar 1 '72

SRULL, Donald W.

Parametric cost estimating aids DOD in systems acquisition decisions. Donald W. Srull. Def Mgt J 8:2-5 Apr '72

STAATS, Elmer B.

Reorganization along functional lines makes Congress' GAO more responsive. Interview. Elmer B. Staats. por Govt Exec 4:54-57 Jun '72

Watchdog for Congress (General Accounting Office). Elmer B. Staats. Persp in Def Mgt, pp 29-37, Winter '71-'72

# STAFF COLLEGES

## Air Force -- U.S.

See also colleges by name, e.g.,  
Air War College

Automatic school selection eyed for Air War College, others. AF Times 33:10 Aug 9 '72

(Senior Service) School boards to pick officers. AF Times 33:2 Sep 6 '72

313 named for (Senior) Schools. AF Times 33:55 Nov 8 '72

## Armed Forces -- Turkey

Turkey's professional military education. LtCol Harold A. Susskind. illus AU Rev 23:50-54 May-Jun '72

## Armed Forces -- U.S.

See also colleges by name, e.g.,  
Armed Forces Staff College

Education for leadership. Maj Henry G. Gole. illus MarCor Gaz 56:18-26 Dec '72

Reserve star eligibility tightened. AF Times 32:17 Jan 5 '72

Senior School attendees named. AF Times 32:47 Jan 19 '72

695 selected for (Intermediate Service) Schools. AF Times 32:6 Apr 5 '72

## Army -- U.S.

See also  
Army War College  
Command and General Staff College

## Marine Corps -- U.S.

Command and Staff College today. BrigGen Samuel Jaskilka. illus tab MarCor Gaz 56:25-30 Jun '72

# STAFF OFFICERS

## Air Force

Accent on professionalism. (Communications-Electronics Systems Staff Officer Course, Keesler Technical Training Center) LtCol Harry D. Pettus. illus USAF Instrs J 9:62-65 Spring '72

## Navy

The 1100: He flies not; neither does he sink. CAPT Andrew G. Nelson. illus US Nav Inst Proc 98:44-48 Mar '72



STAFF OFFICERS - ContinuedReserve Forces--Marine Corps

Thoughts on Reserve training. Maj Carl R. Venditto.  
MarCor Gaz 56:51-52 Mar '72

STAFFS, MILITARYSee also

Air Staff  
Army General Staff  
Joint Chiefs of Staff

STAMPS, POSTAGE see Postage Stamps

STANDARD OF LIVING see Cost and Standard of Living

STANDARDIZATION

ACLANT mobile logistics: A requirement for standardization. RAdm Robert W. Timbrell. illus NATO's Fifteen Nations 17:82-84+ Feb-Mar '72

Army's MajGen (Robert L.) Fair: The next target is SAILS (Standard Army Intermediate Logistics System). illus Govt Exec 4:40 Jul '72

Centralizing the DOD data systems design effort. LtCol Charley P. Gillespie. illus AF Compt 6: 24-26 Oct '72

Defence standards--towards a cost-effective Air Force. Air Commodore C. T. Nance. illus Royal Air Forces Qtr 11:311-315 Winter '71

Digital modules: New developments for Navy standard hardware program. H. G. Wolfe. illus tabs Signal 26:43-46 Jan-Feb '72

International standardization agreement management. TIG Brief 24:8 Jul 28 '72

One step beyond. (Special handling codes) illus Trans-log 3:6-7 Jul '72

Policy for microforms. TIG Brief 24:6 Nov 24 '72

SAILS--Standard Army Intermediate Level Supply subsystem. illus Army Log 4:26-29+ Jul-Aug '72

SALS--Standard Army Logistics System concept. chart Army Log 4:4-7+ May-Jun '72

Standardizing the SAM-D. Raymond C. Hase, Jr. illus Army Log 4:12-13+ Mar-Apr '72

Stationery sizes--you wondered why? TIG Brief 24:21 May 5 '72

Status quo paperwork will no longer throttle transportation progress. Robert E. Redding and Harold E. Harriman. illus Def Trans J 28:36-41 Mar-Apr '72

Traceability and Precision Measurement Equipment (PME). TIG Brief 24:15-16 Feb 11 '72

Trends in communications and data handling systems in the DCS. (Address, AFCEA, Washington, June 6, 1972) BrigGen Lewis S. Norman, Jr. Signal 26:37-39 Jul-Aug '72

STAPLETON, Carl W.

USAFSS--communications security. por AF Mag 55:118-119 May '72

STARS

Astrogenic environments: The effect of stellar spectral classes on the evolutionary pace of life. Krafft A. Ehrlicke. illus tabs Spaceflight 14:2-14 Jan '72

Interstellar navigation. James R. Wertz. illus tab Spaceflight 14:206-216 Jun '72

STATE DEPT

The State/DOD exchange program. Raymond J. Barrett. illus AU Rev 23:54-59 Sep-Oct '72

STATISTICS

Here are entered articles on statistical theory and methods. For statistical information on a specific subject see the subdivision Statistics under the specific subject.

Budget forecasting by regression analysis. Col F. L. Patrone. illus tabs Armed Forces Compt 17:22-26+ Winter '72

STATUS OF FORCES AGREEMENTS

O'seas bases curb benefits--retiree outlook. AF Times 32:30 Mar 22 '72

Tourists due for shock in o'sea BXs. Bob Towle. AF Times 32:3 Mar 15 '72

Unsponsored tour tough. Bob Towle. AF Times 32:1+ May 10 '72

STEEL

Steelworkers union and industry join hands to improve productivity--economic stability important factor. I. W. Abel. illus Def Mgt J 8:21-24 Oct '72

STENNIS, John C.

Stennis eyes benefits cut. Bob Horowitz. AF Times 32:1+ Feb 23 '72

STEBEN, Friedrich W., Baron von

The Steuben legacy. John Leach. por Infantry 62: 14-16 Jan-Feb '72

STEWART, James T.

Simplicity in management. (Address, Armed Forces Management Luncheon, Wright-Patterson AFB, Ohio, June 21, 1972) LtGen James T. Stewart. Elect Warfare 4:4+ Summer '72

STIMSON, Henry L.

Secretary Stimson and the European War, 1940-1941. F. Gunther Eyck. por Parameters 2:40-51 Spring-Summer '72

STONE, Paul R.

AFCS--conduit for command. por AF Mag 55:102-105 May '72

Salvation in the information age. MajGen Paul R. Stoney. Signal 26:6-11 Mar '72

STORAGE

United States Department of Agriculture: Warehousing and transportation procurement. illus tab Def Trans J 28:56-58 Jan-Feb '72

STRAINS AND STRESSES

Aircraft Structural Integrity Program (ASIP). TIG Brief 24:9-10 Jun 30 '72

Better engineering using the computer. 1stLt Robert R. Costigan. illus AF Civil Engr 13:19-21 Nov '72

The Europe, Western thermal fatigue test installation for Concorde. illus Interavia 27:875 Aug '72

In-flight structural failures involving general aviation aircraft. Richard G. Snyder. illus tabs map Aerosp Med 43:1132-1140 Oct '72

Stress analysis by the finite element technique. Ki S. Joung. illus Mil Engr 64:180-182 May-Jun '72

Wing problem spotted in older model B-52s. AF Times 32:42 Jun 28 '72

STRATEGIC AIR COMMANDSee also

Air Force, 8th

Comptroller activities at major commands: Hq Strategic Air Command. Steve Canton. tabs AF Compt 6:2-5 Oct '72

The deterrent role of Strategic Forces. LtGen Glen W. Martin. illus Signal 26:18-20 Mar '72

(Gen John C.) Meyer lauds SAC peace-keeping. AF Times 32:51 Jul 19 '72

(Gen John C.) Meyer takes SAC reins; (Gen Bruce K.) Holloway to advisor job (and other stars reassigned). AF Times 32:8 May 17 '72

(Gen John C.) Meyer to assume command of SAC (and other general officer news announced). AF Times 32:3 Mar 22 '72

Giant Voice review. (449th Bomb Wg wins Fairchild Trophy) G. Francis Farrell. illus Combat Crew 23:4-8 Feb '72

"Giant Voice"--the 1971 USAF Strategic Air Command bombing competition. George W. Pennick. illus tab Air Pict 34:218-219 Jun '72

McConnell (381st Strategic Missile) Wing wins Blanchard Trophy (in 5th Annual Missile Combat Competition, Vandenberg AFB, Calif, April 6-8, 1972). illus AF Times 32:37 May 3 '72

The many faces and interfaces of SACCS (SAC Automated Command Control System). David W. Townsend, Jr. illus Signal 26:8-13 Apr '72

The many faces of SAC's "Mr Pay." Col A.H. Watkins. illus AF Compt 6:16-17 Jan '72

1971 (SAC) flying safety rate. Tables only. Combat Crew 23:25 Feb '72

One more time; 351st SMW (Strategic Missile Wg), Whiteman, 1971 Olympic Arena winners return vowing to win again. illus Combat Crew 23:29-30 Apr '72

Ryan sees short stay for TAC, SAC units deployed to war zone. Ed Gates. AF Times 32:1+ May 3 '72

SAC--hard core of the U.S. deterrent. illus tab chart AF Mag 55:56-60 May '72

SAC moves announced. Ed Gates. AF Times 32:1+ Mar 15 '72

SAC reduces plans for satellite bases. AF Times 32:37 Jul 5 '72

SAC seminars discuss drug, race problems. AF Times 32:45 Apr 12 '72

A select group--the missile maintenance technician is one of the most highly skilled and trained individuals in the Air Force. (Olympic Arena '72) MajGen Salvador E. Felices. illus Combat Crew 23:10-11 Apr '72

Swap-out. (Part of SAC's ICBM Force Modernization program known as 'Modification Block 6-71') Maj Richard D. Ness. illus Combat Crew 23:18-21 Jul '72

Wings in competition. (Olympic Arena 1972) illus Combat Crew 23:6-7+ Apr '72

Wings in competition. (A review of Olympic Arena 1972) illus Combat Crew 23:6-7+ Jun '72

A world series of champions (Olympic Arena '72). MajGen Pete C. Sianis and SSgt R.W. Daniel. Combat Crew 23:4-5 Apr '72

Year of the Titan. Capt Donald R. Carter. Combat Crew 23:4-5 Jun '72

STRATEGIC ANTIBALLISTIC MISSILE INTERCEPT SYSTEM see Missile DefenseSTRATEGIC ARMS LIMITATION TALKS see Arms ControlSTRATEGIC FORCESRussia

The realities of arms limitations. CAPT Dominic A. Paolucci, Ret. illus tab US Nav Inst Proc 98:178-189 May '72

United States

Air Force request for authorizations (FY 1973). (Statement before House Armed Services Committee, March 2, 1972) Gen John D. Ryan. AF Plcy Ltr for Comdrs: Sup No. 5:2-13 May '72

The deterrent role of Strategic Forces. LtGen Glen W. Martin. illus Signal 26:18-20 Mar '72

The realities of arms limitations. CAPT Dominic A. Paolucci, Ret. illus tab US Nav Inst Proc 98:178-189 May '72

Strategic deterrence up 16% to meet continued Soviet threat. Brooke Nihart. Armed Forces J 109:45-46 Mar '72

The strategic nuclear balance "is turning against us." ADM Thomas H. Moorer. illus Officer 48:15+ May '72

Strategic preparedness. Gen Bruce K. Holloway, Ret. illus Ordnance 57:48-50 Jul-Aug '72

The strategic requirement--AFA symposium in Orlando (Fla, Dec 15-16, 1971). Edgar Ulsamer. illus AF Mag 55:58-64 Feb '72

The triad... plus 'one.' Col Sheldon I. Godkin. illus AF Mag 55:48-53 Nov '72

United States strategic and tactical Air Forces--to-day and tomorrow. Gen John D. Ryan. illus NATO's Fifteen Nations 17:16-19+ Aug-Sep '72

Statistics

Personnel and active military forces chart. AF Plcy Ltr for Comdrs: Sup No. 3:31 Mar '72

Summary of active military personnel and forces. Table only. Armed Forces J 109:32 Mar '72; Mil Rev 52:98 Apr '72

STRATEGYSee also

Vietnamese Conflict, 1957- --Strategy  
World War I--Strategy  
World War II--Strategy

A basic strategy framework. Maj Melvin J. Stanford. illus Mil Rev 52:23-27 Aug '72

Controlled escalation in Vietnam. Andrew J. Pierre. (Reprinted in part from Foreign Policy, Fall 1971) illus AF Mag 55:50-53 Feb '72

From leadership to partnership. Marc E. Geneste. illus tab Mil Rev 52:73-81 Mar '72

The gods and the big battalions. Capt I. D. P. Thorne. illus RUSI J for Def Studies 117:58-60 Jun '72

The impact of technology on strategy. VADM J. T. Hayward, Ret. illus US Nav Inst Proc 98:24-30 Sep '72

The opposite number. MajGen Edward G. Lansdale, Ret. illus AU Rev 23:22-32 Jul-Aug '72

STRATEGY - Continued

The strategic implication of double rapprochement in triangular confrontation. LtGen Wego W. K. Chiang. illus NATO's Fifteen Nations 17:44-47 Jun-Jul '72

The strategy of resolve. David K. Pansius. AU Rev 23:66-73 Sep-Oct '72

Winners and losers: A conceptual barrier in our strategic thinking. Ralph E. Strauch. AU Rev 23: 33-44 Jul-Aug '72

History

History or logic as approaches to strategy. K. Booth. illus RUSI J for Def Studies 117:34-39 Sep '72

Asia

Aspects of Asian security. WgComdr Maharaj K. Chopra, Ret. map illus Mil Rev 52:42-51 Nov '72

China (People's Republic)

Mao Tse-tung as strategist. Col William F. Long, Jr. illus Army 22:10-17 Apr '72

Should NATO worry about the scramble for Africa? illus map NATO's Fifteen Nations 17:16-23 Apr-May '72

France

Deterrence and the medium-sized powers. Col Lucien Poirier. (Trans and digested from Revue de Défense Nationale, March 1972) illus Mil Rev 52:22-34 Nov '72

Germany (Federal Republic)

National strategies within the Alliance: West Germany. Carl H. Amme, Jr. NATO's Fifteen Nations 17: 76+ Aug-Sep '72

Great Britain

Air support of the land battle in the late 1970s. (Comment on article by AVM P. de L. LeCheminant, Army Quarterly, July 1970; Royal United Service Institution Journal, Sep 1970) WgComdr Duncan Allison. illus RUSI J for Def Studies 117:21-27+ Jun '72; Condensation. Royal Air Forces Qtr 12: 175-183 Autumn '72

Some antecedents of British defence policy. Philip C. Brooks. Army Qtr 102:70-80 Oct '71

History

Singapore 1942: Some warnings. K. Booth. Army Qtr 102:191-200 Jan '72

The ten year rule--the historical facts. (Comment on articles by P. Silverman and K. Booth, Royal United Service Institution Journal, March 1971; Royal United Services Institute for Defence Studies Journal, Sep 1971) Stephen Roskill. illus RUSI J for Def Studies 117:69-71 Mar '72

India

Military operations in Bangladesh. WgComdr Maharaj K. Chopra, Ret. illus map Mil Rev 52:51-60 May '72

Why India won: The 14-day war. Ravi Rikhye. tabs Armed Forces J 109:38-41 Apr '72

NATO

The defence of NATO's southern flank. ADM Horacio Rivero. illus RUSI J for Def Studies 117:3-10 Jun '72

National strategies within the Alliance: West Germany. Carl H. Amme, Jr. NATO's Fifteen Nations 17: 76+ Aug-Sep '72

STRATEGY - ContinuedNATO - Cont'd

Theatre Air Forces and tactical nuclear weapons. Maj E. van Veen. illus NATO's Fifteen Nations 17:34-39+ Aug-Sep '72

Russia

Bears in the Med(iterranean). Col Minter L. Wilson, Jr. illus maps NATO's Fifteen Nations 17:49-56 Apr-May '72

Communist tactics in Europe and the Middle East. Brian Crozier. RUSI J for Def Studies 117:13-15+ Sep '72

The development of Soviet military policy. LtCol John G. Pappageorge. illus Mil Rev 52:36-43 Jul '72

General nuclear war: A conceptual analysis. Col Donald S. Bussey, Ret. Persp in Def Mgt, pp 49-58, Winter '71-'72

The military outlook in the Far East. (Address, AUSA Annual Meeting, Washington, Oct 13, 1971) ADM John S. McCain, Jr. AF Plcy Ltr for Comdrs: Sup No. 1:16-28 Jan '72

Should NATO worry about the scramble for Africa? illus map NATO's Fifteen Nations 17:16-23 Apr-May '72

The Soviet desant concept. C. L. Donnelly. (Reprinted from Royal United Services Institute for Defence Studies Journal, Sep 1971) illus Intl Def Rev 4:544-546 Dec '71

Soviet motivation in the Middle East. Maj Jay C. Mumford. illus map Mil Rev 52:40-49 Sep '72

The Soviet tactical Air Force and tactical nuclear weapons. Maj E. van Veen. illus NATO's Fifteen Nations 17:42-44+ Aug-Sep '72

The Soviet Union and the Middle East: The high cost of influence. Robert O. Freedman. illus Nav War Col Rev 24:15-34 Jan '72

The strategic balance. AVM Neil Cameron. tab Royal Air Forces Qtr pt 1, The balance today. 11:169-175 Autumn '71; pt 2, The implication of new weapon systems. 11:253-258 Winter '71; pt 3, China, Europe and SALT. 12:1-5 Spring '72

History

Soviet strategic thinking, 1917-1962: Some history reexamined. Robert M. Laske. (Edited from selected faculty lectures, Naval War College, 1971?) Nav War Col Rev 24:24-34 Feb '72

United States

The Air Force and national security. (Address, Jacksonville Chamber of Commerce Dinner, Little Rock AFB, Ark, Dec 10, 1971) Gen John C. Meyer. AF Plcy Ltr for Comdrs: Sup No. 2:28-32 Feb '72

Air Force may share Navy sea control mission (Melvin R. Laird's 3d annual Dept of Defense report to Congress). L. Edgar Prina. illus Sea Power 15:34-36 Mar '72

American ground power after Vietnam. LtCol Zeb B. Bradford, Jr. illus Mil Rev 52:4-13 Apr '72

Another view of the need for change. Col Richard M. Jennings. illus Mil Rev 52:82-94 Sep '72

Army support of coalition security. LtCols Zeb B. Bradford, Jr and Frederick J. Brown. illus Mil Rev 52:4-21 May '72



## STRATEGY - Continued

United States - Cont'd

- The categoric need for a mix of tactical deterrence. Edgar Ulsamer. AF Mag 55:40-41 Mar '72
- Changes in our national security environment. (Remarks, Manufacturing Chemists' Assoc, White Sulphur Springs, WVa, June 8, 1972) Kenneth Rush. AF Plcy Ltr for Comdrs: Sup No. 8:13-18 Aug '72
- A critique of realistic-deterrence strategy. Gen Maxwell D. Taylor, Ret. Persp in Def Mgt, pp 1-10, Autumn '72
- Current strategic theories. (Lecture, Naval War College) LCDR Benjamin M. Simpson III. illus Nav War Col Rev 24:76-85 May '72
- East is no longer least. LtCol William V. Kennedy. illus Mil Rev 52:52-56 Mar '72
- FY 73: Realistic deterrence comes into its own. James D. Hessman. illus Armed Forces J 109:32-33 Feb '72
- Flexible response and the Marine Corps. LtCol A. E. Andersen. illus MarCor Gaz 56:40-44 Jan '72
- The foundation of a strategy for peace: Realistic deterrence. (Excerpts from Defense Posture Statement) Melvin R. Laird. illus Def Mgt J 8:32-39 Apr '72
- General nuclear war: A conceptual analysis. Col Donald S. Bussey, Ret. Persp in Def Mgt, pp 49-58, Winter '71-'72
- The impact of technology on strategy. VADM J. T. Hayward, Ret. illus US Nav Inst Proc 98:24-30 Sep '72
- Meeting the challenge of change--a discussion of: Strategy of realistic deterrence; Defense funding considerations; Quality control of C&E equipment; Industry-military cooperation. BrigGen D. L. Werbeck. illus Signal 27:10-17 Oct '72
- National security strategy of realistic deterrence. (Address, Assoc of Old Crows Annual Convention, Washington, Oct 13, 1971) Melvin R. Laird. Elect Warfare 4:4-5 Winter '72
- National security strategy of realistic deterrence. (Summary of statement before House Armed Services Committee on the FY 1973 Defense budget and FY 1973-1977 program, Feb 15, 1972) Melvin R. Laird, AF Plcy Ltr for Comdrs: Sup No. 5:14-26 May '72
- Now is the time (for all concerned Americans to study what is happening to the balance of power and what threat exists to the possibility of peace and the preservation of freedom). LtGen Richard T. Knowles. Ordnance 57:120-123 Sep-Oct '72
- Our three-legged stool. (Triad concept of defense) Ted R. Sturm. map Airman 16:2-5 Jan '72
- Preparing for a generation of peace: A strategic concept responsive to a Presidential mandate. Col Alonzo J. Walter, Jr. illus AU Rev 23:12-19 May-Jun '72
- Relevant power: Putting the salt water back in national strategy. Brooke Nihart. Armed Forces J 109:28-31 Feb '72
- The Reserves--a new mission. Gen John D. Ryan. illus Officer 48:14+ Jun '72

## STRATEGY - Continued

United States - Cont'd

- The role of the Air Force in the 1980s. (Address, American Ordnance Assoc, Eglin AFB, Fla, Oct 4, 1972) MajGen Leslie W. Bray. AF Plcy Ltr for Comdrs: Sup No. 11:17-24 Nov '72
- The shift in strategic war plans. William Beecher. illus Army 22:10-14 Nov '72
- The shifting balance. William E. Brock. illus Ordnance 56:366-368 Mar-Apr '72
- The Single Integrated Operational Plan (SIOP). Capt Mark D. Mariska. illus Mil Rev 52:32-39 Mar '72
- The strategic balance. AVM Neil Cameron. tab Royal Air Forces Qtr pt 1, The balance today. 11:169-175 Autumn '71; pt 2, The implication of new weapon systems. 11:253-258 Winter '71; pt 3, China, Europe and SALT. 12:1-5 Spring '72
- The strategic implications of international monetary reform. Thomas W. M. Smith. tab Forum No. 16:26-48 Fall '72
- Strategic implications of the growth of multinational enterprise--an overlooked opportunity for application of the indirect approach. LtCol Richard A. Bowen. map Forum No. 15:18-33 Spring '72
- Strategic mobility and the Nixon doctrine. Col Rodman C. Rainville. Forum No. 14:102-116 Winter '71
- Strategic options and total force concepts. Interview. Gen George S. Brown. illus AF Mag 55:39-44 May '72
- Strategic preparedness. Gen Bruce K. Holloway, Ret. illus Ordnance 57:48-50 Jul-Aug '72
- The strategic requirement--AFA symposium in Orlando (Fla, Dec 15-16, 1971). Edgar Ulsamer. illus AF Mag 55:58-64 Feb '72
- Strategic sufficiency: A question of faith? Colin S. Gray. illus AF Mag 55:27-32 Apr '72
- Strategy for Armor. Col Wesley W. Yale, Ret. illus Armor 81:17-19 Nov-Dec '72
- Strategy for tomorrow--America's need for future security in Europe. Stanley L. Harrison. illus Mil Rev 52:57-70 Aug '72
- A strategy of flexible response. LtCol Peter F. Witteried. illus Parameters 2:2-16 Spring-Summer '72
- The thrust of the Nixon doctrine. Col Richard M. Jennings. illus Mil Rev 52:3-9 Feb '72
- The United States at a strategic crossroads. VADM Stansfield Turner. illus US Nav Inst Proc 98:18-25 Oct '72
- U.S. military strategy in the 1970s. (Address, Strategic and Defense Studies Centre, Australian National University, Canberra, March 13, 1972) MajGen Robert N. Ginsburgh. AF Plcy Ltr for Comdrs: Sup No. 6:7-16 Jun '72
- What is "the realistic deterrence strategy?" (Address, Young Executives Seminar, Houston, Tex, May 12, 1972) Melvin R. Laird. AF Plcy Ltr for Comdrs: Sup No. 8:30-31 Aug '72
- What Rand hath wrought. Colin S. Gray. (Reprinted from Foreign Policy, Fall 1971) Mil Rev 52:22-33 May '72

STRATEGY - ContinuedUnited States - Cont'd

Why were we so (strategically) wrong? Bernard Brodie. (Reprinted from Foreign Policy, Winter 1971-72) Mil Rev 52:40-46 Jun '72

History

Roots of strategic deterrence. Herman S. Wolk. illus Aerosp Hist 19:137-144 Sep '72

STRATEGY, AIRUnited States

Graduated response and the lessons of Vietnam. Raymond J. Barrett. illus Mil Rev 52:80-91 May '72

United States strategic and tactical Air Forces--today and tomorrow. Gen John D. Ryan. illus NATO's Fifteen Nations 17:16-19+ Aug-Sep '72

STRATEGY, NAVAL

The future roles and problems of small countries' navies. (Address, 2d International Seapower Symposium, Naval War College, Nov 1971) VAdm C. Margaritis. illus Nav War Col Rev 24:35-40 Jan '72

Mahan and naval strategy in the nuclear age. (Lecture, Naval War College) CDR James A. Barber. illus Nav War Col Rev 24:78-88 Mar '72

Theory of naval strategy in the nuclear age. RADM Edward Wegener, Ret. illus US Nav Inst Proc 98:190-207 May '72

History

Mahan and naval strategy in the nuclear age. (Lecture, Naval War College) CDR James A. Barber. illus Nav War Col Rev 24:78-88 Mar '72

Naval diplomacy and the failure of balanced security in the Far East--1921-1935. LCDR William S. Johnson. illus Nav War Col Rev 24:67-88 Feb '72

NATO

The maritime equation--SACLANT in the 1970s. ADM Charles K. Duncan. illus NATO's Fifteen Nations 17:28-35 Feb-Mar '72

Seapower and the smaller nations. Comdr J. J. Binnendijk. illus US Nav Inst Proc 98:38-43 Sep '72

The strategic significance of the northern cap. B. C. Cuthbertson. map RUSI J for Def Studies 117:45-48 Jun '72

Russia

Blueprint for bluewater. RADM George H. Miller. illus Sea Power 15:8-12 Feb '72

The cold front--USSR has strategic advantage above the Arctic Circle. Lawrence Griswold. illus map Sea Power 15:18-23 Dec '72

The development of Soviet naval power. WgComdr M. T. Thurbon. illus tab Hawk No. 33:31-37 Feb '72

The North Atlantic: The Norwegian Sea, a Scandinavian security problem. Capt Christer Fredholm. maps illus Nav War Col Rev 24:56-64 Jun '72

Paloondra! (Resurgence of the Soviet Naval Infantry) LtCol D. K. Cliff. illus tab MarCor Gaz 56:18-27 Jan '72

STRATEGY, NAVAL - ContinuedRussia - Cont'd

The Soviet Marines. Charles G. Pritchard. illus US Nav Inst Proc 98:18-30 Mar '72

The Soviet Navy: Acquiring global capabilities and perspectives. Carl G. Jacobsen. illus Nav War Col Rev 24:41-52 Mar '72

Strategic power in the Indian Ocean. R. D. M. Furlong. illus map tab Intl Def Rev 5:133-140 Apr '72

The strategic significance of the northern cap. B. C. Cuthbertson. map RUSI J for Def Studies 117:45-48 Jun '72

United States

American maritime power. (Adapted from address, Washington Attorneys' Luncheon, Jan 17, 1972) ADM E. R. Zumwalt, Jr. illus Mil Engr 64:75-77 Mar-Apr '72

Blueprint for bluewater. RADM George H. Miller. illus Sea Power 15:8-12 Feb '72

The "CV": Capable vigilance or continued vulnerability? LT James T. Coogan, Jr. illus US Nav Inst Proc 98:117-119 Mar '72

The end of an era (of U.S. supremacy). (Prize Essay, 1972, 2d Honorable Mention) CDR Roy Beavers. illus US Nav Inst Proc 98:18-25 Jul '72

Future concepts in military submarine systems. Brian Thomas. illus RUSI J for Def Studies 117:55-57 Jun '72

The Navy tomorrow. ADM E. R. Zumwalt, Jr. illus Ordnance 56:285-287 Jan-Feb '72

New carrier concepts and the CVN-70. Norman Polmar. illus tab Sea Power 15:6-12 Mar '72

The nuclear carrier and modern war. (Prize Essay, 1972, 1st Honorable Mention) CAPT Paul Schratz, Ret. illus US Nav Inst Proc 98:18-25 Aug '72

The post-Vietnam Navy: The rhetoric and the realities. J. K. Holloway, Jr. illus US Nav Inst Proc 98:52-59 Aug '72

Relevant power: Putting the salt water back in national strategy. Brooke Nihart. Armed Forces J 109:28-31 Feb '72

The role of the carrier in the control of the seas. CAPT Stephen T. De La Mater. illus tab US Nav Inst Proc 98:110-125 May '72

Some speculations on the Navy at the end of the 1970's. Frank Uhlig, Jr. illus Nav War Col Rev 24:9-15 May '72

Strategic power in the Indian Ocean. R. D. M. Furlong. illus map tab Intl Def Rev 5:133-140 Apr '72

The submarine force of the future. CDR Walter B. Hubbell. Persp in Def Mgt, pp 67-70, Winter '71-'72

Toward a navy second to one. CAPT Robert H. Smith, Ret. illus US Nav Inst Proc 98:42-51 Nov '72

History

The American naval expedition to Penobscot, 1779. ENS Craig L. Symonds. map illus Nav War Col Rev 24:64-72 Apr '72

STRATOSPHERE see Atmosphere, Upper

STRAUSS, Elliott B.

A 'tin soldier' is a good soldier. RADM Elliott B. Strauss, Ret. US Nav Inst Proc 98:94-97 Feb '72

STREAM CROSSING, MILITARY

German tactical river crossings for the 1980's. LtCol Joachim K. W. Zickert. illus Mil Engr 64:1-4 Jan-Feb '72

STRESSES see Strains and Stresses

STRIKE COMMAND see Readiness Command

STUDY, METHOD OF

A one-hour miracle? (Teaching good study habits) MSgt Richard D. Close. illus USAF Instrs J 9:38-43 Winter '71-'72

STUNT FLYING see Acrobatics

SUBMARINE BASES see Naval Bases

SUBMARINE WARFARE

See also

Antisubmarine Warfare

The Allied Command Atlantic submarine challenge. CDR J. O. Naugle. illus NATO's Fifteen Nations 17:62-68 Feb-Mar '72

The submarine force of the future. CDR Walter B. Hubbell. Persp in Def Mgt, pp 67-70, Winter '71-'72

SUBMARINES

See also

Submersible Vehicles

The old enemy. John W. R. Taylor. illus Royal Air Forces Qtr 12:157-164 Autumn '72

Submarine launched missiles. John Marriott. Armed Forces J 110:55-56 Sep '72

Detection

Allied Command Atlantic's Antisubmarine Warfare Research Centre. illus NATO's Fifteen Nations 17:70-75 Feb-Mar '72

History

Submarine disasters in peacetime, 1900-1971. Chester L. Somers. illus tab US Nav Inst Proc 98:319-329 May '72

Submarine memorials "for those who served." Pictorial. CAPT George M. Hagerman, Ret. US Nav Inst Proc 98:77-92 Mar '72

Statistics

Submarine disasters in peacetime, 1900-1971. Chester L. Somers. illus tab US Nav Inst Proc 98:319-329 May '72

Germany (Federal Republic)

The German 1,000 ton export submarine. Lutz Nohse tab illus (Also cutaways) Intl Def Rev 5:482-485 Oct '72

NATO

The Allied Command Atlantic submarine challenge. CDR J. O. Naugle. illus NATO's Fifteen Nations 17:62-68 Feb-Mar '72

Russia

The Allied Command Atlantic submarine challenge. CDR J. O. Naugle. illus NATO's Fifteen Nations 17:62-68 Feb-Mar '72

SUBMARINES - Continued

Russia - Cont'd

Lessons in preparedness. VADM H. G. Rickover. Ordnance 56:288-291 Jan-Feb '72

The silent threat. VADM Fred G. Bennett. illus NATO's Fifteen Nations 17:101-108 Feb-Mar '72

Submarines. Capt A. Khmel'nitsky. illus Soviet Mil Rev No. 3:27-29 Mar '72

United States

Future concepts in military submarine systems. Brian Thomas. illus RUSI J for Def Studies 117: 55-57 Jun '72

New roles for the submarine. Paul Cohen. illus map US Nav Inst Proc 98:31-37 Sep '72

Triad to become quadrate? Brooke Nihart. illus Armed Forces J 110:30-31 Dec '72

History

The O-5 (SS-66) is down. CAPT Julius Grigore, Jr. illus US Nav Inst Proc 98:54-60 Feb '72

The USS Porpoise and Ken Whiting. George van Deurs. illus US Nav Inst Proc 98:80-82 Sep '72

SUBMARINES, NUCLEAR POWERED

Russia

Lessons in preparedness. VADM H. G. Rickover. Ordnance 56:288-291 Jan-Feb '72

Need for a nuclear Navy. Chet Holifield. Ordnance 56:462-464 May-Jun '72

Submarines. Capt A. Khmel'nitsky. illus Soviet Mil Rev No. 3:27-29 Mar '72

United States

Future concepts in military submarine systems. Brian Thomas. illus RUSI J for Def Studies 117: 55-57 Jun '72

Need for a nuclear Navy. Chet Holifield. Ordnance 56:462-464 May-Jun '72

ULMS gets new name: Trident. L. Edgar Prina. Sea Power 15:12-13 Jun '72

SUBMERSIBLE VEHICLES

Mobility on the sea floor. K. W. Wiendieck and others. illus tab Mil Engr 64:251-255 Jul-Aug '72

Russia

Is the Soviet Union leaving us behind in oceanography? Merle Macbain. illus Sea Power 15:26-31 Jun '72

United States

Future concepts in military submarine systems. Brian Thomas. illus RUSI J for Def Studies 117: 55-57 Jun '72

(Unmanned Arctic Research Submersible--UARS) Signal 27:60 Nov '72

SUBSISTENCE ALLOWANCES

BSA test slated for Shaw (AFB, SC) airmen. AF Times 32:4 May 3 '72

EM ration rate to increase. Randall Shoemaker. AF Times 33:1+ Dec 20 '72

How EM (at Shaw AFB, SC) fare in BAS test to depend on appetite. AF Times 32:15 Jul 12 '72



SUBSISTENCE ALLOWANCES - Continued

Nixon may feel 'jet lag.' AF Times 32:51 Mar 1 '72

Shaw (AFB, SC) 'civilian cafeteria' now to open in October. AF Times 33:19 Aug 23 '72

SUBVERSIVE ACTIVITIES

National and rural development in Malaysia. V.J. Croizat, Ret. chart illus map MarCor Gaz 56:33-39 Jan '72

SUEZ CANAL

Electrons over Suez. Charles Wakebridge. illus Ordnance 56:473-477 May-Jun '72

SUGGESTION PROGRAMS

F-100 implant surgery. illus tab Aerosp Safety 28:10-12 Mar '72

New Initiatives Office opened. TIG Brief 24:18 Jan 28 '72

The (SMSgt Mike) Suzich touch. illus Natl Guardsman 26:24-25 Mar '72

SUN

Ramey (AFB, PR) unit keeps eye on sun. AF Times 32:32 Feb 9 '72

Russian report. Space World 1-3-99:37-42 Mar '72

The SOLRAD (SOLar RADiation) satellite. Space World 1-1-97:22-25 Jan '72

Skylab telescope pre-launch tests. illus Space World 1-3-99:4-5 Mar '72

SUN, Yat-sen

Homer Lea--interloper on history. John Clark Kimball. por US Nav Inst Proc 98:61-67 Apr '72

SUPERIOR PERFORMANCE PAY see Proficiency PaySUPERSONIC FLIGHTSee also

Airplanes, Supersonic

Airplanes, Transport (Supersonic)

SUPERVISION

Integrity, tough situations, and you. Maj Dick Wing. (Adapted from Airscoop, Oct 1971) illus MAC Flyer 19:3-7 Sep '72

Manager or doer? J.J. Howell. illus AF Compt 6:9-11 Jul '72

The (mishap) crack in our mirror (of performance). Ted Kontos. illus USA Avn Dig 18:60-63 Jan '72

Supervisory technique: A developed talent. BrigGen Stephen M. Mellnik, Ret. illus Infantry 62:18-21 Jan-Feb '72

30 rules for supervisors. AF Plcy Ltr for Comdrs: Sup No. 3:21-26 Mar '72

You, the supervisor: Key to safety. illus Approach 17:42-43 Jun '72

SUPPLYSee also

Depots, Supply

Air Force--U.S.

Automation--a key to supply management. LtCol J. Murray. illus Review 51:39-40 May-Jun '72

Base stock leveling and stock control computer simulations. H.C. Hunt. illus Review 51:49+ May-Jun '72

SUPPLY - ContinuedAir Force--U.S. - Cont'd

Improvements in requisitioning. TIG Brief 24:3-4 May 5 '72

Redistribution and marketing--yesterday's Air Force salvage yard. Abraham Belous. illus Review 51:42-43+ May-Jun '72

History

A quarter century of Air Force supply. illus Review 51:15+ May-Jun '72

Armed Forces--U.S.

So they were married. (Classifying Defense cargo) Don Thompson. illus Translog 3:17-18 Mar '72

Supply system probes slated. AF Times 33:48 Aug 9 '72

Army--U.S.

GSA--the Federal Supply Service. Lewis E. Spangler. charts illus map Army Log 4:4-7+ Mar-Apr '72

National Guard--Air Force--U.S.

Supply conversion nears completion: Air Guard takes over Selfridge computer. Natl Guardsman 26:24 Jan '72

Navy--U.S.

Business management: (Navy's Electronics Supply Office). Merton J. Gillies. illus Govt Exec 4:72-73 May '72

The Navy's unique transportation requirement. William B. Bristol, Jr. illus Def Trans J 28:53-56 Sep-Oct '72

SUPPLY MANAGEMENT

ACE in the hole! Logistics support of the ACE Mobile Force. Maj Robert C. Barrett. illus charts Army Log 4:20-23+ Jan-Feb '72

Automation--a key to supply management. LtCol J. Murray. illus Review 51:39-40 May-Jun '72

Business management: (Navy's Electronics Supply Office). Merton J. Gilles. illus Govt Exec 4:72-73 May '72

Contractor-Operated PARTs Store (COPARS). TIG Brief 24:17 Sep 29 '72

Control of parts for delayed maintenance. TIG Brief 24:6 Sep 15 '72

Critical/due in from maintenance asset management. TIG Brief 24:14 Jul 28 '72

Drawdown supply management. Capt Joseph A. Malcom and Gilbert A. Frisbee. illus Army Log 4:22-23+ Nov-Dec '72

How special are your special levels? TIG Brief 24:11 Jun 30 '72

IPE (Industrial Plant Equipment) reutilization value percentage system. Col Claude G. Baughman. illus tabs Armed Forces Compt 17:19-21+ Winter '72

Initial provisioning. Stanley Reese. illus Review 51:37+ May-Jun '72

The logistics manager in the 70s. (Remarks, World-wide Logistics Conference Award Banquet, Tyndall AFB, Fla, Oct 20, 1971) Gen John D. Ryan. AF Plcy Ltr for Comdrs: Sup No. 2:14-17 Feb '72

SUPPLY MANAGEMENT - Continued

- Maintaining supply discipline. TIG Brief 24:8 Mar 24 '72
- Materiel management. (Address, AMC Executive Seminar, May 12, 1972) Gen William C. Westmoreland. illus Army Log 4:14-17 Jul-Aug '72
- Measuring supply effectiveness in R&D. Bernard P. Cutrera. illus tabs Log Spectrum 6:21-27 Winter '72
- Mobile logistics. Maj R. E. Lochner. illus MarCor Gaz 56:31-35 Jul '72
- New systems, lab discoveries mark AMC's 10th year. Gen Henry A. Miley, Jr. illus Army 22:36-39 Oct '72
- Optimum spares provisioning. Alan D. Bragg. illus tab Log Spectrum 6:2-4 Winter '72
- SAILS--Standard Army Intermediate Level Supply subsystem. illus Army Log 4:26-29+ Jul-Aug '72
- SALS--Standard Army Logistics System concept. chart Army Log 4:4-7+ May-Jun '72
- Storage, reclamation, and disposition of USAF aircraft. TIG Brief 24:13 Jun 30 '72
- Supply conversion nears completion: Air Guard takes over Selfridge computer. Natl Guardsman 26:24 Jan '72
- Supply management. TIG Brief 24:1-2 Mar 24 '72
- (Supply production continuity) (Address, Joint Meeting, Aerospace Industries Assoc and Electronic Industries Assoc, San Diego, Calif, April 20, 1972) RADM Stuart H. Smith. Log Spectrum 6:5-7 Winter '72
- Turbine engine supply management. LtCol Kenneth E. Kellogg. USA Avn Dig 18:22-23 Apr '72
- (Vietnam logistics planners lauded--equipment waste averted. AF Times 32:5 Feb 16 '72
- War Reserve Materiel (WRM). TIG Brief 24:3 Oct 27 '72

SUPREME ALLIED COMMANDER, ATLANTIC see Allied Command AtlanticSUPREME ALLIED COMMANDER, EUROPE see Allied Command EuropeSURFACE EFFECT SHIPS see Air Cushion VehiclesSURGEON GENERALAir Force

- MajGen (Robert A.) Patterson nominated for USAF Surgeon General. illus Aerosp Med 43:815 Jul '72

SURPLUS PROPERTY

- Redistribution and marketing--yesterday's Air Force salvage yard. Abraham Belous. illus Review 51:42-43+ May-Jun '72
- Vietnam disposal agency. Capt Thomas M. Amenell. Review 51:21+ Jan-Feb '72

SURPRISE IN WARFARE

- AEMAA (Aerially Employed Mechanical Antiarmor Ambush). Capt M. L. Caughey. Infantry 62:56 Jul-Aug '72
- Aquabush. Capt Gerald W. Johnson. illus Infantry 62:50-53 Jan-Feb '72

SURPRISE IN WARFARE - Continued

- Automatic ambush: A second look. Capt Sewall H. Menzel. illus Armor 81:9-11 Sep-Oct '72
- A bargain basement alternative to the McNamara Line: Automatic ambush. LtCol Grail L. Brookshire. illus Infantry 62:9-11 Jul-Aug '72
- Mechanical ambush. Maj A. D. Gezelman. illus Infantry 62:50-51 Jul-Aug '72
- Surprise, how it is achieved and its role. MajGen V. Matsulenko. illus Soviet Mil Rev pt 1, No. 5:37-39 May '72; pt 2, No. 6:37-39 Jun '72

SURVEILLANCE

- AWACS slated for testing. illus AF Times 32:24 Feb 16 '72
- Demon of death. (Fire support surveillance base) LtCol Jack B. Farris, Jr. illus Fld Artilleryman No. 49:59-64 Feb '72
- Developments in U.S. military reconnaissance. illus Interavia 27:373-375 Apr '72

Equipment

- Battlefield surveillance radar systems. illus tab Intl Def Rev 5:514-521 Oct '72
- The multi-purpose electromagnetic receiving system. Cecil Byrom. illus tab Elect Warfare 4:7-8+ Winter '72

History

- Wings over the border: The Army Air Service Armed Patrol of the United States-Mexico border, 1919-1921. Stacy C. Hinkle. illus maps Am Avn Hist Soc J pt 1, 17:184-190 Fall '72

SURVEYING

- DNSS (Defense Navigation Satellite System): Satellite surveyor for the Field Army. Armando Mancini. illus map Mil Engr 64:340-342 Sep-Oct '72
- Death of a profession? (Hydrographic engineering) RADM Harley D. Nygren. illus US Nav Inst Proc 98:38-41 Jul '72
- Geodesy, mapping, oceanography: Current surveying and mapping news. Regular feature in issues of Military Engineer
- (Laser system for land surveying) Signal 26:132 Jan-Feb '72
- Underwater construction survey. John B. Ciani and others. illus Mil Engr 64:315-318 Sep-Oct '72

SURVEYING BY AIR

- Photogrammetry. CDR Wesley V. Hull. Fld Artilleryman No. 49:72-74 Feb '72

SURVEYS

- (AF) survey (of service life) results to be withheld. AF Times 33:11 Nov 8 '72
- Aircraft noise and the community: Some recent survey findings. Alan A. Burrows and David M. Zamarin. illus tabs Aerosp Med 43:27-33 Jan '72
- Aviation accident prevention survey. Maj Roy P. Hooks. illus USA Avn Dig 18:59-62 Mar '72
- Aviation safety in combat--an appraisal of the experiences of Army Aviation unit commanders in RVN. illus tabs USA Avn Dig 18:36-45+ Feb '72

SURVEYS - Continued

- 50,000 get opportunity to give housing opinions. AF Times 32:40 May 31 '72
- Fog dissipation questionnaire results. illus tabs USA Avn Dig 18:24-25 Aug '72
- The military abortion maze. Margaret Eastman and Jim Sample. illus tabs AF Times pt 1, Family sup:6-13+ Nov 1 '72; pt 2, Family sup:8-11+ Nov 15 '72
- Most recruits in poll undecided on re-upping. AF Times 33:42 Sep 20 '72
- Pay a big lure as draft fades: Survey results. AF Times 33:21 Sep 13 '72
- Racial pulse-feeling (Project RARE--Rapid Attitude Research and Evaluation) enters second phase. AF Times 32:3 May 31 '72
- Survey shows Air Force members' views (on discipline, rules and regulations). AF Ploy Ltr for Comdrs: Sup No. 3:26-29 Mar '72
- What makes Johnny enlist? Col William R. Bell and LtCol Daniel B. Geran. tabs Persp in Def Mgt, pp 47-82, Autumn '72
- Where are results of all those polls? Bob Towle. AF Times 32:3 May 24 '72

SURVIVALSee also

Civil Defense

- A candle and a plan. Maj Samuel A. Munch, Jr. (Reprinted from Combat Crew, Nov 1971) illus tab Approach 17:26-29 Jan '72
- The Dilbert Dunker: A decisive factor. (Escape from a helicopter inverted in the water) illus Approach 18:36-37 Nov '72
- Exit the tiger: Survival psychology for the ADC tiger. illus Interceptor 14:10-15 Jan '72

SURVIVAL EQUIPMENT

- A candle and a plan. Maj Samuel A. Munch, Jr. (Reprinted from Combat Crew, Nov 1971) illus tab Approach 17:26-29 Jan '72
- The case for body armor. William A. Cohen. illus AF Mag 55:52-55 Mar '72
- Cold sea survival. James H. Veghte. illus tabs Aerosp Med 43:506-511 May '72
- Dinghy on the ice cap. (Multi-man raft) Maj F. C. Westergaard. illus MAC Flyer 19:19-22 Aug '72
- Error margin: Zero--(377th AB Wg) Life Support (Section) protects pilots (in Vietnam). TSgt Bob Brown. illus AF Times 33:18 Aug 23 '72
- Extraction without a landing zone. Capt Carleton P. Vencill. illus USA Avn Dig 18:18-21+ Apr '72
- Life support? illus TAC Attack 12:4-6 May '72
- Life support aids/equipment. TIG Brief 24:3-4 Jun 16 '72
- Life support conference (Kelley AFB, Tex, March 7-10, 1972), illus Aerosp Safety 28:12-13 May '72
- The life you save. SMSgt Robert D. Hall and Capt Joe Spooner. illus Combat Crew 23:14-15+ Mar '72
- Pacific plunge. Maj Russell Weber. illus Interceptor 14:12-16 Feb '72

SURVIVAL EQUIPMENT - Continued

- Sage green--the 'in' look. Alan S. Hellman. illus tab Approach 17:26-30 Apr '72

Study and Teaching

- Learning by doing. (Life support systems training at Chanute Technical School) Gerald F. Klein and Ronald D. Hess. illus USAF Instrs J 9:15-20 Spring '72

SURVIVAL TRAINING

- The Dilbert Dunker: A decisive factor. (Escape from a helicopter inverted in the water) illus Approach 18:36-37 Nov '72
- Medical Service contributions to the Air Force life support program. TIG Brief 24:19 May 5 '72
- Pros (B Co, 75th Rangers) at the survival game. Barney Halloran. illus Soldiers 27:21-23 Jul '72
- Survival on ice. (Training in Greenland) Capt Gary A. Guimond. illus Airman 16:24-28 Apr '72
- Survival training quota management. TIG Brief 24:15 Mar 10 '72
- "Wild, man, wild"--Spartan Pathfinder (program) builds strength under pressure with adventure training. SP4 Chuck Noland. illus Soldiers 27:17-20 Jul '72

SURVIVORS RIGHTS AND BENEFITSSee also

Retired Serviceman's Family Protection Plan

- Another annuity offset tactic. AF Times 33:5 Dec 27 '72
- Beyond the grave. Sgt1C D. Mallicoat. illus Soldiers 27:14-16 Oct '72
- Campaign explains survivor benefits. AF Times 33:4 Oct 11 '72
- Estimating her benefits--tables show widow's income after Social Security begins. Robert S. Horowitz. AF Times 33:19+ Dec 13 '72
- Financial protection for survivors (Survivor Benefit Plan). Sgt1C D. Mallicoat. tab Soldiers 27:37-38 Dec '72
- Here's information on survivor's plan. Sue Toma. AF Times 33:3 Nov 29 '72
- IRS alters annuity tax--DOD prefers old way. AF Times 33:3 Nov 22 '72
- IRS tax ruling may hit some wives of MIAs. AF Times 33:36 Dec 20 '72
- Many kin o'seas due school aid. AF Times 33:44 Dec 13 '72
- New Survivor Benefit Plan well received. tab Armed Forces J 110:10 Nov '72
- Newest retirees bill is termed top benefit for career military. tab MarCor Gaz 56:5 Nov '72
- (The Pike Bill) Officer pt 1, Pike Subcommittee report explains bill establishing military survivors benefits plan. 47:22 Nov '71; pt 2, Senate now has for consideration new bill for survivors benefits as passed by the House. 47:22-23 Dec '71; pt 3, Provisions for benefits for military survivors contained in bill awaiting Senate action. 48:22 Jan '72; pt 4, Dependent children would be provided for until 18 years of age, or 22. 48:11 Feb '72; pt 5, Civil Service retirement may be substituted. 48:9+ Mar '72; pt 6, Widow, children benefits. 48:12+ Apr '72



SURVIVORS RIGHTS AND BENEFITS - Continued

Protection plan 'freed' (from Senate committee).  
Bob Horowitz. AF Times 33:1+ Aug 9 '72

ROA testifies on survivor's benefits--HR-10670.  
Officer 48:7 Sep '72

Retiree can opt child-only annuity but move can't be  
changed. AF Times 33:10 Nov 8 '72

SBP (Survivor Benefits Plan): Good news--tax benefit  
won. Bob Horowitz. AF Times 33:1+ Dec 20 '72

SS deduction hurts Survivor Benefits Plan. Bob Horowitz.  
AF Times 33:13 Dec 20 '72

(Senate) committee OKs bill for widows. AF Times  
33:20 Aug 23 '72

Some (SEA) war widows gain additional pay benefits.  
AF Times 32:8 Jun 14 '72

Sparks fly over widow bill delay. Bob Horowitz. AF  
Times 33:6 Aug 16 '72

Stennis eyes benefits cut. Bob Horowitz. AF Times  
32:1+ Feb 23 '72

Survivors get estate (tax) break. AF Times 33:36  
Sep 6 '72

Tax edge sought for survivors--queries on program  
answered. AF Times 33:19 Nov 1 '72

VA reminders--kin failing to claim benefits. AF  
Times 33:22 Nov 15 '72

Widow aid plan near enactment. Bob Horowitz. AF  
Times 33:1+ Aug 30 '72

Widow aid plan ready to roll--Nixon signing anticipated.  
AF Times 33:3 Sep 27 '72

Widow bill stalled--bottled in committee. AF Times  
32:4 May 10 '72

Widow plan info runs into delay. Sue Toma. AF  
Times 33:4 Oct 18 '72

Widows and students hopeful (for bills benefitting retirees  
and veterans). Armed Forces J 110:12  
Sep '72

Widows' benefit plan details given. Sue Toma. tab  
AF Times 33:48 Oct 25 '72

Widows' bill passes. AF Times 33:1+ Sep 20 '72

Widows' equity details set--here's how law works.  
Robert S. Horowitz. tab AF Times 33:25+  
Oct 11 '72

Widows' equity signed into law. AF Times 33:4  
Oct 4 '72

Your future as a veteran. illus tabs AF Times pt 1,  
Yes, vets, some do care. Larry Carney. 32:5-6  
Oct 13 '71; pt 2, On-duty Transition does help.  
Bob Schweitz. 32:5-6 Oct 20 '71; pt 3, VA benefits  
aren't automatic. Bill Drach and Louis Dorsch.  
32:42-43 Oct 27 '71; pt 4, GI Bill 'student body'  
growing. Larry Carney. 32:42-43 Nov 3 '71; pt 5,  
Vet unemployment dips. Larry Carney. 32:41-42  
Nov 10 '71; pt 6, Disability pay confusing. Mel  
Jones. 32:46-47 Nov 17 '71; pt 7, VA caters to  
'new vet.' George Marker. 32:43-44 Nov 24 '71;  
pt 8, GI home buying gets new life. George Marker.  
32:45-46 Dec 1 '71; pt 9, SGLI conversion tips.  
Bill Kreh. 32:50-51 Dec 8 '71; pt 10, The beneficiary  
snag. Ruth Chandler. 32:37 Dec 15 '71;  
pt 11, How 'bout the Reserves. Ed Gates. 32:  
30-31 Dec 22 '71; pt 12, Dear Congressman.  
Robert S. Horowitz. 32:29 Dec 29 '71; pt 13, Vet  
groups fill a void. Tony Hale. 32:31 Jan 5 '72

SUTTON, William J.

ROA members create permanent memorial in (Minute  
Man Memorial) Building as tribute to career of  
MajGen Bill Sutton. por Officer 48:31 Oct '72

SWEDEN

The Swedish view of American diplomacy. (Interview  
with Jerome H. Holland and Krister Wickman)  
illus Govt Exec 4:67-68+ Aug '72

'With understanding and strength' Sweden's Naval  
Society (Royal Swedish Society of Naval Sciences)  
celebrates its 200th anniversary. Stephan A.  
Schwartz. illus Sea Power 15:14-16 Jan '72

Foreign RelationsUnited States

The Swedish view of American diplomacy. (Interview  
with Jerome H. Holland and Krister Wickman)  
illus Govt Exec 4:67-68+ Aug '72

SWITCHING SYSTEMS

Digitization--the breakthrough in tactical communi-  
cations. (Address, AFCEA, Washington, June 8,  
1972) MajGen Harold A. Kissinger. illus Signal 26:  
51-53 Jul-Aug '72

Evolution not revolution--electronic data communica-  
tions. James M. Osborne. illus Signal 26:77-78+  
Jun '72

The "flick" of a switch--sealed relays play a critical  
role in the Apollo moon missions. E.H. Morgan.  
Space World 1-8-104:46-47 Aug '72

Future communications requirements of the fleet  
satellite communications systems. (Address,  
AFCEA, Washington, June 7, 1972) RADM Samuel  
L. Gravely, Jr. illus Signal 27:14-16 Sep '72

NATO Integrated Communications System (NICS).  
LtGen Walter E. Lotz, Jr. illus chart Signal  
26:53-56 Jan-Feb '72

Noise and circuit loss measurements via European  
AUTOVON (1970-71). Marshall L. Cain. illus  
Signal 26:22-25 Apr '72

Progress and potential of the AUTODIN system.  
(Address, AFCEA, Washington, June 8, 1972)  
BrigGen Harold R. Johnson, Ret. illus Signal 26:  
56-59 Jul-Aug '72

SYMINGTON, Stuart

"Air power is indivisible." Interview. Stuart Syming-  
ton. por Armed Forces J 110:26 Sep '72

SYSTEMS ANALYSISSee alsoEconomic Analysis

Integrated logistics support and organizational rela-  
tionships. Thomas T. Tierney. illus Log Spectrum  
6:5-13 Summer '72

Managing the logistics function. Hal Bayer. illus chart  
Log Spectrum 6:2-8 Fall '72

More on decision-making. R.H. Blythe, Jr. AU Rev  
23:59-63 Jan-Feb '72

Structuring data for analysis. Col John D. Morgan,  
Ret. illus tabs AF Compt 6:30-32+ Jul '72

SYSTEMS ENGINEERING

The logistics systems concept as a basis for organizational design. Daniel W. DeHayes, Jr and Robert L. Taylor. illus Log Spectrum 6:33-41 Winter '72

Machines don't fight. Col John T. Burke. illus Army 22:25-27+ Aug '72

SYSTEMS ENGINEERING - Continued

Maintainability engineering management. Col Charles L. Bachtel, Ret. illus Signal 27:20-22 Nov '72

Maintainability engineering, system engineering, logistics support. Ben S. Blanchard. illus Log Spectrum 6:18-26 Spring '72

TAWC see Tactical Air Warfare Center

TDY see Temporary Duty

TOPCAP (Total Objective Plan for Career Airman Personnel)

Airman retraining/lateral training program. TIG Brief 24:6 Dec 22 '72

Congressmen confused by TOPCAP plans. AF Times 32:18 Jul 19 '72

EM overages likely, but don't panic--AF. Bruce Callander. AF Times 32:1+ Jun 14 '72

Early retraining urged for first-termers. AF Times 33:3 Oct 18 '72

High-year hike cutoff studied. Bruce Callander. AF Times 33:1+ Nov 8 '72

More offered 6-year re-up. AF Times 33:3 Sep 20 '72

NCO force-out points to stay as is--TOPCAP missed '72 goal. AF Times 33:35 Aug 30 '72

Over five years 125,000 will retrain. Bruce Callander. AF Times 32:1+ Apr 19 '72

Retraining geared to avert surplus. Bruce Callander. AF Times 32:13 Apr 26 '72

Some skills to lose VRB. Bruce Callander. AF Times 32:1+ Jul 19 '72

TIS (Time In Service): Long-range impact on hikes--low year of tenure added. Bruce Callander. AF Times 32:13 Mar 22 '72

TOPCAP seeks goal of equalizing hikes. Bruce Callander. AF Times 32:1+ Mar 8 '72

25,000 set to retrain. Bob Towle. AF Times 33:1+ Oct 4 '72

'Up or out'--harsh fact of life. Bruce Callander. AF Times 32:13 Feb 16 '72

Vintage hike year could go sour. Bruce Callander. AF Times 32:13 May 31 '72

TOPLINE (Total Officer Personnel Objective Structure for the LINE Officer Force)

Fewer Reservists can go career. AF Times 33:3 Oct 11 '72

Grade relief crisis looms--siege seen. George Foster. tab AF Times 32:1+ Feb 2 '72

Navigator career management. LtCol George R. Davidson. illus tabs Navigator 19, No. 3:26-28 '72

Supplement management and nonrated officers. Contact 25:17-18 Nov-Dec '71

TOPLINE--a personnel management plan. (Remarks, Dining In, Goose AB, Labrador, Aug 10, 1971) LtGen Robert J. Dixon. AF Plcy Ltr for Comdrs: Sup No. 1:8-15 Jan '72

USAF goes to the Hill for grade relief. illus tab AF Mag 55:60-62 Mar '72

TRICAP DIVISION see 1st Cavalry Division (TRICAP)

TRI-TAC PROGRAM

Joint tactical communications program. (Address, AFCEA, Washington, June 7, 1972) BrigGen Charles E. Williams, Jr. illus Signal 27:22-24 Sep '72

TACTICAL AIR COMMAND

The changing face of TAC. illus TAC Attack 12:24-26 Mar '72

TACTICAL AIR COMMAND - Continued

'Eyes, ears and voice' hones TAC reflexes. AF Times 32:17 Feb 2 '72

Force to dip 13,000 in '73; TAC bears brunt of cuts. AF Times 32:38 Apr 26 '72

Halfway look (at TAC safety performance for 1972). illus tab TAC Attack 12:22-23 Jul '72

New look in aircraft maintenance management. Capt William B. James. TAC Attack 12:28-29 Mar '72

Relief flights follow floods. AF Times 32:44 Jul 12 '72

Reserve readiness--the name of the game at TAC. BrigGen Howard T. Markey. illus AF Mag 55: 56-59 Oct '72; Adaptation. Air Reservist 24: 10-11 Nov '72

Ryan sees short stay for TAC, SAC units deployed to war zone. Ed Gates. AF Times 32:1+ May 3 '72

TAC/ANG/AFRES Advisory Safety Council. illus TAC Attack 12:27 Jul '72

TAC carries goods to Bolivian frontiers. AF Times 32:24 Apr 12 '72

TAC develops new intelligence system. AF Times 32:6 Mar 29 '72

TAC halts F-111 training flights after two crashes. AF Times 32:19 Jul 5 '72

TAC--off on a new tack. illus tab chart AF Mag

TAC's global reach helps counter a crisis. Maj B. W. Boshoven. illus AF Mag 55:36-40 Aug '72

Tac Air's responsiveness--the nub of U.S. national strategy. Interview. Gen William W. Momyer. illus AF Mag 55:32-37 Dec '72

TACTICAL AIR WARFARE CENTER

A better way. (Studies being conducted by TAWC's Tactical Applications Deputate) LtCol Charles F. Jackson and Maj Lemuel G. Lloyd, Jr. illus USAF TAWC Rev 3:14-16 Aug '72

Eglin unit (4485th Test Sq) conducts 'hot' hardware tests. AF Times 32:25 Jan 5 '72

Return of the ASCAT (Anti-SAM Combat Assistance Teams). Maj James L. Boone. illus USAF TAWC Rev 3:9-13 Nov '72

TACTICAL COMMUNICATIONS

See also

TRI-TAC Program

Tactical Satellite Communications

Vietnamese Conflict, 1957- --Communications-Electronics Applications

AF, Marines planning portable intelligence. AF Times 32:35 Feb 16 '72

Army communications in Vietnam. MajGen Thomas Matthew Rienzi. illus Signal 26:49-54+ Jun '72

Army tactical communications capabilities. MajGen George E. Pickett. illus Signal 26:29-32 Jan-Feb '72

Army tactical data systems. (Address, AFCEA, Washington, June 7, 1972) BrigGen Albert B. Crawford, Jr. illus Signal 27:17-19 Sep '72

Compromise! Compromise! Compromise! (Communications security during tactical operations) Maj Eugene H. Grayson, Jr. illus USA Avn Dig 18: 16-17+ May '72



TACTICAL COMMUNICATIONS - Continued

- Computerized automation and the combat leader. Maj Joseph F. Paone. illus Infantry 62:52-54 May-Jun '72
- Digitization--the breakthrough in tactical communications. (Address, AFCEA, Washington, June 8, 1972) MajGen Harold A. Kissinger. illus Signal 26: 51-53 Jul-Aug '72
- The evolution of amphibious air-ground landing force communications requirements. (Address, AFCEA, Washington, June 7, 1972) Col Edward J. Driscoll, Jr. illus Signal 27:20-22 Sep '72
- 'Eyes, ears and voice' hones TAC reflexes. AF Times 32:17 Feb 2 '72
- Future tactical communications requirements for the USAF. (Address, AFCEA, Washington, June 7, 1972) BrigGen Robert L. Edge. illus Signal 27: 13-14 Sep '72
- Improved tactical control capabilities through 407L. Capt Alan Troyer. illus USAF TAWC Qtr Rpt 3: 14-19+ Jan '72
- JCS's BrigGen George A. Pappas, Jr: "How do we all work together?" illus Govt Exec 4:24 Jan '72
- (Live demonstration of TACFIRE system) Signal 26: 89-90 Jul-Aug '72
- Modeling Air Force tactical communications. Emile A. Babineau. illus Signal 27:8-11 Dec '72
- (Tactical Air Defense Systems--TADS) Signal 27:67 Oct '72
- Tactical long range communications (Coronet Vox). Maj Kineson Jung. illus map USAF TAWC Qtr Rpt 3:24-30 Jan '72
- Tactical system on way (at Electronic Systems Division). AF Times 32:42 Jul 19 '72
- Using the loud speaker voice. J. W. Ryder. MarCor Gaz 56:57 Feb '72

Costs

- Army studies cost effectiveness of communications satellites. A. A. Soobert and Zelma M. Harms. illus Signal 27:35-37 Dec '72

TACTICAL FORCES see General Purpose ForcesTACTICAL SATELLITE COMMUNICATIONS

- Improvements in tactical satellite communications. 1stLt John C. Dean. Signal 26:15-17 May '72
- What is past is prologue (in Army communications). Capt Burtis G. Parcels. Signal 26:16-17 Mar '72

TACTICAL WARFARE

- A better way. (Studies being conducted by TAWC's Tactical Applications Deputate) LtCol Charles F. Jackson and Maj Lemuel G. Lloyd, Jr. illus USAF TAWC Rev 3:14-16 Aug '72
- Over the threshold--'clean' tactical nuclear weapons for Europe. William Beecher. illus Army 22:17-20 Jul '72
- The Soviet tactical Air Force and tactical nuclear weapons. Maj E. van Veen. illus NATO's Fifteen Nations 17:42-44+ Aug-Sep '72
- Tactical dialogues 1--France. (Interview with Gen Marzloff) illus RUSI J for Def Studies 117:47-50 Sep '72
- Theatre Air Forces and tactical nuclear weapons. Maj E. van Veen. illus NATO's Fifteen Nations 17:34-39+ Aug-Sep '72

TACTICAL WARFARE - ContinuedStudy and Teaching

- Tactical Empire State (NY ANG). illus Air Reservist 24:4-5 Apr '72

TACTICSSee also

- Attack and Defense (Military Science)
- Antilanding defence. LtCol V. Kokhanov. illus Soviet Mil Rev No. 8:14-17 Aug '72
- Automatic ambush: A second look. Capt Sewall H. Menzel. illus Armor 81:9-11 Sep-Oct '72
- Creative approach in tactics. LtGen V. Reznichenko. Soviet Mil Rev No. 7:9-10+ Jul '72
- Defence of coast. Col I. Vorobyov. illus Soviet Mil Rev No. 8:10-13 Aug '72
- Defense requires mobility. LtCol Robert Carmichael and Maj Joseph Keyes. illus Infantry 62:40-42 Mar-Apr '72
- The dragoon concept. (Mechanized Infantry) Capt Vernon W. Humphrey. illus charts Mil Rev 52:17-25 Jan '72
- Firepower battlefield. LtCol William L. Hauser. (Reprinted from Military Review, Oct 1971) illus Fld Artilleryman No. 49:75-80 Feb '72
- The future of close combat. MajGen George B. Pickett, Jr. illus Infantry 62:6-10 Sep-Oct '72
- Manoeuvre in battle. Col I. Vorobyov. illus Soviet Mil Rev No. 11:36-39 Nov '72
- Minor tactics--its importance in modern warfare. Brig C. N. Barclay, Ret. (Reprinted from Revue Militaire Générale, Jan 1972) illus Mil Rev 52:61-69 Jun '72
- The new blitzkrieg. LtCol Cecil L. Shrader. illus Armor 81:12-16 Sep-Oct '72
- New carrier concepts and the CVN-70. Norman Polmar. illus tab Sea Power 15:6-12 Mar '72
- New naval tactics. CAPT Leon I. Smith, Ret. tab Ordnance 57:222-225 Nov-Dec '72
- Prime tactical lessons of the Vietnam War--three innovations. LtCol John R. Galvin. illus Army 22:16-20 Mar '72
- Role and place of the commander in battle. Col I. Vorobyov. Soviet Mil Rev No. 2:15-17 Feb '72
- The science of riposte. Fraser Scott. illus RUSI J for Def Studies 117:27-29+ Mar '72
- Soviet night operations. LtCol Erich Sobik. illus Mil Rev 52:71-76 Aug '72
- Toward more credible force planning. LtCol James B. Agnew and others. illus tabs Mil Rev 52:40-51 Mar '72
- U. S. tactics in Vietnam. LtCol Zeb B. Bradford, Jr. illus Mil Rev 52:63-76 Feb '72

Study and Teaching

- ATTE (Antiarmor Tactical Training Exercise at the Infantry School). Capt Larry G. Ardison. illus map Infantry 62:20-22 Sep-Oct '72
- Minor tactics--its importance in modern warfare. Brig C. N. Barclay, Ret. (Reprinted from Revue Militaire Générale, Jan 1972) illus Mil Rev 52:61-69 Jun '72

TACTICS - ContinuedStudy and Teaching - Cont'd

- TEWT (Tactical Exercise Without Troops). Majs Joseph Keyes and Terry Gee. illus Infantry 62: 44-46 Sep-Oct '72
- Tactical use of motorcycles. (Recondo platoon training at Fort Hood, Tex) Col Ben S. Malcom and Capt Jay H. Hickey. illus Infantry 62:23-27 Sep-Oct '72

TACTICS, AIR

- An aerial blocking force. Fred K. McCoy. illus Armor 81:29-34 Mar-Apr '72
- Air superiority comes first. Maj Norman E. Wells. illus AU Rev 24:10-25 Nov-Dec '72
- Attacking ground targets (in WW II). Col Avelin P. Tacon, Jr. illus TAC Attack 12:17-19 Sep '72
- The evolution of air warfare. MajGen Robert N. Ginsburgh and Maj Edd D. Wheeler. illus AU Rev 23:2-9 Mar-Apr '72
- Far behind the dragon's head. (Near-real-time reconnaissance capability) Capt James T. Thomas. illus USAF TAWC Rev 3:4-9 Aug '72
- Israeli helicopter forces: Organization and tactics. Maj Thomas J. Marshall. illus Rev 52:94-99 Jul '72
- Mission versus tradition. LCDR Stuart J. Fitrell. illus US Nav Inst Proc 98:120-121 Mar '72
- The role of helicopters in conventional warfare. Col DeLyle G. Redmond. illus USA Avn Dig 18:6-9+ Jan '72

Study and Teaching

- Aerial combat tactics. (Interview with Majs Ed Woclfel and Larry Haight) illus Interceptor 14:5-11 May '72

TAIWAN see China (Republic)

TALBOTT, Orwin C.

- Run for your life. MajGen Orwin C. Talbott. Army 22:43 Sep '72

TALLMAN, Kenneth L.

- AFMPC--managing USAF's human resources. por AF Mag 55:128-129 May '72

TANK WARFARE see Armored Warfare

TANKERS

- The coming energy crisis: A 15-million barrel per day deficit by 1985. Irwin M. Heine. illus tabs Sea Power 15:27-32 Sep '72
- Indonesia's Archipelago Doctrine and Japan's jugular. CAPT Richard A. Miller. illus map tabs US Nav Inst Proc 98:26-33 Oct '72
- The liquid natural gas tanker--seagoing solution to the U.S. fuel crisis. Gerald P. Yoest. illus Def Trans J 28:46-48 Jul-Aug '72
- Oil pollution--carelessness or crime? ENS A. R. Butler. illus US Nav Inst Proc 98:51-57 Dec '72
- Rapid mooring-construction system. Henry C. Mayo. illus Mil Engr 64:110-111 Mar-Apr '72
- Sonar for tanker mooring site surveys. Lt Kenneth F. Bitting. illus Mil Engr 64:112 Mar-Apr '72

TANKS, MILITARY

- The death of the tank. LtCol Warren W. Lennon. illus Armor 81:4-14 Jan-Feb '72
- The future main battle tank. Col Helmut Ritgen. illus Armor 81:32-35 Nov-Dec '72
- The modern battle tank. illus Intl Def Rev pt 1, Current types and their characteristics. 4:581-586 Dec '71; pt 2, Firepower. F. Schreier. 5:59-66 Feb '72; pt 3, Mobility (1) Engines. F. Schreier. 5:161-168 Apr '72; pt 3, Mobility (2) Steering and transmissions. F. Schreier. 5:284-291 Jun '72
- Score: TOW/Cobras 20, armor 1. (Helicopters vs tanks in joint U.S., Canadian, West German test) Brooke Nihart. illus tab Armed Forces J 110:20 Sep '72
- Tank-automotive news. Joseph B. Hayes. Regular feature in some issues of Ordnance
- The tank is alive and well. Edward Luttwak. illus Armor 81:63-65 Jul-Aug '72
- The tank on tomorrow's battlefield. Armor 81:39-41 Jul-Aug '72

Armament

- AMX-30 firepower--the 'Obus G' HEAT round. Col Jean Périn, Ret. illus Intl Def Rev 5:86-89 Feb '72
- FLER-H, a hybrid tank fire control computer. E. Grambach. illus Intl Def Rev 5:77-78 Feb '72
- The modern battle tank. illus Intl Def Rev pt 1, Current types and their characteristics. 4:581-586 Dec '71; pt 2, Firepower. F. Schreier. 5:59-66 Feb '72; pt 3, Mobility (1) Engines. F. Schreier. 5:161-168 Apr '72; pt 3, Mobility (2) Steering and transmissions. F. Schreier. 5:284-291 Jun '72
- The Oerlikon-Contraves 35 mm AA tank--some operational considerations. F. Schreier. illus tabs Intl Def Rev 5:377-383 Aug '72
- Tank add-on stabilization. John G. Loidas. illus Armor 81:46-49 Mar-Apr '72
- Tank fire control system design philosophy. A. Simon. illus Intl Def Rev 5:75-76 Feb '72
- Tank gun or missile? Bryant R. Dunetz. illus tab Ordnance 57:147-150 Sep-Oct '72
- Tank weapon effectiveness. Robert J. Bibbero. illus Ordnance 56:305-309 Jan-Feb '72

Characteristics

- Arms and equipment of land forces today and tomorrow. Brig P. H. C. Hayward. illus NATO's Fifteen Nations 17:28-42 Jun-Jul '72
- Comparative data on current battle tanks. Table only. Intl Def Rev 4:587-590 Dec '71
- The modern battle tank. illus Intl Def Rev pt 1, Current types and their characteristics. 4:581-586 Dec '71; pt 2, Firepower. F. Schreier. 5:59-66 Feb '72; pt 3, Mobility (1) Engines. F. Schreier. 5:161-168 Apr '72; pt 3, Mobility (2) Steering and transmissions. F. Schreier. 5:284-291 Jun '72
- Soviet design philosophy and armor. William A. Gooch. illus Armor 81:17-19 Sep-Oct '72

Equipment

- The big trade-offs. LtCol Bart M. Filaseta. illus Armor 81:15-20 Jan-Feb '72

TANKS, MILITARY - ContinuedHistory

Soviet armored warfare. LtCol Daniel K. Malone.  
illus Ordnance 56:295-299 Jan-Feb '72

Maintenance and Repair

Keeping M48A3 tanks in action! Col Stan R. Sheridan.  
illus Army Log 4:26-29 Sep-Oct '72

Letterkenny Depot cuts tank engine overhaul \$ by 65%  
illus Armed Forces J 109:20-21 May '72

Power Plants

The modern battle tank. illus Intl Def Rev pt 1, Current types and their characteristics. 4:581-586 Dec '71; pt 2, Firepower. F. Schreier. 5:59-66 Feb '72; pt 3, Mobility (1) Engines. F. Schreier. 5:161-168 Apr '72; pt 3, Mobility (2) Steering and transmissions. F. Schreier. 5:284-291 Jun '72  
Tankers! There's a turbine in your future. Col George A. Tuttle, Ret. illus Armor 81:43-46 May-Jun '72

Why a four-stroke diesel engine? LtCol B. Gruzdev.  
illus Soviet Mil Rev No. 5:34-35 May '72

Europe, Western

The Oerlikon-Contraves 35 mm AA tank--some operational considerations. F. Schreier. illus tabs Intl Def Rev 5:377-383 Aug '72

France

AMX-30 firepower--the 'Obus G' HEAT round. Col Jean Périn, Ret. illus Intl Def Rev 5:86-89 Feb '72

Germany (Federal Republic)

Mobile defense. Paul Carell. (Trans and condensed from a German publication) illus Mil Rev 52:77-82 Feb '72

Great Britain

Scorpion, Striker, Scimitar, Spartan. Richard M. Ogorkiewicz. illus Armor 81:24-27 May-Jun '72

Japan

STB-1, the new Japanese battle tank. R. M. Ogorkiewicz. illus tab Intl Def Rev 5:292-293 Jun '72

Russia

Soviet armor comes to Vietnam--a surprise that needn't have been (after Korea). Bernard F. Halloran. illus Army 22:19-23 Aug '72

Soviet design philosophy and armor. William A. Gooch. illus Armor 81:17-19 Sep-Oct '72

Tank fuelling. Col I. Pavlov. illus Soviet Mil Rev No. 9:48-49 Sep '72

Why a four-stroke diesel engine? LtCol B. Gruzdev.  
illus Soviet Mil Rev No. 5:34-35 May '72

History

Soviet armored warfare. LtCol Daniel K. Malone.  
illus Ordnance 56:295-299 Jan-Feb '72

United States

Advanced main battle tank. Capt Timothy R. O'Neill. illus Armor 81:36-41 Nov-Dec '72

Army weapons, equipment, 1972: Promise and uncertainty. Eric C. Ludvigsen. illus Army 22:124-126+ Oct '72

TANKS, MILITARY - ContinuedUnited States - Cont'd

Challenges of Armor today. Maj Thomas A. Horner and others. illus Armor 81:51-55 Jul-Aug '72

The future is now--M60A1 is the main battle tank of today and tomorrow. Col Stan R. Sheridan. illus Armor 81:27-30 Jul-Aug '72

Give me a tank. LtCol Albert N. Garland, Ret. illus Army 22:29-31 Nov '72

MBT-70 killed (by Congress). Armed Forces J 109:19 Feb '72

Maimed battle tank--green light for \$500,000 new tank? Armed Forces J 110:39 Dec '72

New MBT-70--warmed over 1960 tank? Armed Forces J 110:22+ Sep '72

Tank add-on stabilization. John G. Loridas. illus Armor 81:46-49 Mar-Apr '72

Tank gunnery training. Jac Weller. illus Natl Guardsman 26:2-8 May '72

To build a tanker's tank. Maj Ralph A. Barkman and Capt Teddy H. Sanford, Jr. illus Armor 81:13-16 May-Jun '72

We need a new tank. Gen James H. Polk, Ret. illus tab Army 22:8-14 Jun '72; Armor 81:14-21 Jul-Aug '72

Vietnam (Democratic Republic)

Soviet armor comes to Vietnam--a surprise that needn't have been (after Korea). Bernard F. Halloran. illus Army 22:19-23 Aug '72

TARGET ACQUISITIONSee also

Detection Equipment

Attacking ground targets (in WW II). Col Avelin P. Tacon, Jr. illus TAC Attack 12:17-19 Sep '72

'Blow in fust.' Fraser Scott. illus RUSI J for Def Studies 117:44-47 Sep '72

Cold smoke (for marking practice bombs). Maj Hugh Dibble. illus USAF TAWC Qtr Rpt 3:20-23 Jan '72

Educated missiles (HOBOS and Condor). D. A. Smith. illus Ordnance 56:384-385 Mar-Apr '72

F-4 precision low altitude navigation. Maj Richard F. Meyer. illus USAF Ftr Wpns Rev, pp 20-22, Spring '72

F-111 digital attack set. Capt Don Henry. illus (Also cutaway) USAF Ftr Wpns Rev, pp 24-32, Spring '72

Far behind the dragon's head. (Near-real-time reconnaissance capability) Capt James T. Thomas. illus USAF TAWC Rev 3:4-9 Aug '72

Initial pipper position and tracking. Capt Alexander H. C. Harwick. illus tab USAF Ftr Wpns Rev, pp 18-25, Fall '72

Intelligence--a new approach. BrigGen Edward F. Gudgel. illus Signal 26:69-70+ Jun '72

Interdiction at night in adverse weather. LtCol Philip B. Hopkins, Jr. USAF TAWC Qtr Rpt 3:4-9+ Jan '72



TARGET ACQUISITION - Continued

- Laser principles and applications. Capt Nelson E. Cobleigh. illus USAF Ftr Wpns Rev No. 4:23-25 Winter '71
- Let's get serious about radar bombs. Maj Luther L. Crider. illus USAF Ftr Wpns Rev, pp 8-11, Fall '72
- Manual air-ground. LtCol Robert K. Hanna. illus tab USAF Ftr Wpns Rev, pp 22-29, Summer '72
- Mark! Mark! (High altitude smoke drop) Maj Charles D. James. illus USA Avn Dig 18:18-19 Feb '72
- Radar subclutter visibility limitation due to STALO (STABilized Local Oscillator) instability. Thomas F. Curry. illus Elect Warfare 4:4+ Convention Issue '72
- TV guided missiles. John Marriott. illus tab NATO's Fifteen Nations 17:68-71 Apr-May '72
- VADS (Visual Aerial Delivery Sight). Maj James C. Bobick. illus USAF TAWC Qtr Rpt 3:10-13+ Jan '72

Equipment

- Direct Reading Range Assessor (DRRA). Maj Ross Whistler. illus tab USAF Ftr Wpns Rev, pp 11-14, Summer '72

TARGETS, AERIALSee also

Drones

- Combat dart. Capt Gerald D. Huff. illus USAF Ftr Wpns Rev, pp 7-10, Summer '72

TARR, Curtis W.

- Could we end the draft now? Curtis W. Tarr. por US Nav Inst Proc 98:58-63 Jun '72

TAXES AND TAXATION

- Form 1040 time again--problems of tax returns analyzed for servicemen. Robert S. Horowitz. AF Times 32:39+ Feb 2 '72
- IRS alters annuity tax--DOD prefers old way. AF Times 33:3 Nov 22 '72
- IRS tax ruling may hit some wives of MIAs. AF Times 33:36 Dec 20 '72
- Income taxes, a talk with the military tax expert. (Interview with Capt Allen Rigsby) illus Interceptor 14:5-6 Jan '72
- Money laws expire in '73. Randy Shoemaker. AF Times 32:1+ Jul 19 '72
- Most GIs get Social Security tax break. Bob Horowitz. AF Times 32:1+ Jul 19 '72
- SBP (Survivor Benefits Plan): Good news--tax benefit won. Bob Horowitz. AF Times 33:1+ Dec 20 '72
- State taxes: Regulations, deadlines are listed in roundup. Bill Kreh. AF Times 32:39 Mar 1 '72
- Survivors get estate (tax) break. AF Times 33:36 Sep 6 '72
- Tax aid sought. Randy Shoemaker. AF Times 32:1+ Jun 28 '72
- Tax break given in disasters. AF Times 32:46 Jul 26 '72
- Tax breaks for Reservists--part-timers' problems analyzed. Bill Kreh. AF Times 32:41 Mar 15 '72
- Tax deductions. Air Reservist 24:10 Feb '72

TAXES AND TAXATION - Continued

- Tax edge sought for survivors--queries on program answered. AF Times 33:19 Nov 1 '72
- Tax info sent out. AF Times 32:23 Mar 1 '72
- Tax ruling baffles services--'impossible to implement.' AF Times 32:5 Feb 23 '72
- Tax threat to end on 'in kind' travel. AF Times 32:41 Apr 26 '72
- Withholding changes may prove 'taxing.' tabs AF Times 32:48 Jan 19 '72

TAYLOR, Maxwell D.

- A critique of realistic-deterrence strategy. Gen Maxwell D. Taylor, Ret. Persp in Def Mgt, pp 1-10, Autumn '72

TEACHERS AND TEACHINGSee also

Instructor Pilots

- ATC and the "quality force." Interview. LtGen George B. Simler. illus USAF Instrs J 9:4-9 Spring '72
- The Airlift Instructor School. illus TAC Attack 12: 27-29 Nov '72
- The copyright dilemma in the classroom. But can it be done? LtCol William H. Carnahan. illus AU Rev 23:42-49 Jan-Feb '72
- Instructor recognition--the 1971 outstanding NCO Academy instructors. illus USAF Instrs J 9:2-3 Winter '71-'72
- The interaction between teacher and student. Steve Riskind. illus USAF Instrs J 9:38-47 Spring '72
- MTI (Military Training Instructor) duties and responsibilities--USAF Preparatory School. SMSgt Dwight W. Anderson. illus USAF Instrs J 9:4-12 Winter '71-'72
- The Metlaff factor. Capt Edward J. Rasimus, Jr. USAF Instrs J 9:56-58 Spring '72
- Motivation in the classroom. Maj Michael R. Jusko. illus USAF Instrs J 9:30-35 Spring '72
- The problems with words. Capt Jimmie L. Coombes. USAF Instrs J 9:66-68 Spring '72
- Resignations at West Point. Col Robert D. Heinl, Jr. Armed Forces J 109:36 Aug '72
- A second career (as assistant aerospace education instructor in the AFJROTC program). SMSgt Alfred L. McKown, Ret. illus USAF Instrs J 9: 25-28 Winter '71-'72
- Simulation: The bridge between theory and practice. Capt Albert R. Amos, Jr. illus Infantry 62:12-15 Mar-Apr '72
- Teaching--a second career. Col George R. Goodwin, Ret. illus Armed Forces Compt 17:15-17+ Winter '72
- Technical training. Col P. Simchenkov. illus Soviet Mil Rev No. 7:24-26 Jul '72
- Their gift, talent, and goal. TSgt William J. Eller. USAF Instrs J 9:13-14 Winter '71-'72
- USAF School of Aerospace Medicine Outstanding Instructor Awards for 1971: LtCol Jefferson C. Davis, Maj Bruce E. Bassett, MSgt Stewart J. Laing, TSgt John F. Grimmer. illus USAF Instrs J 9:3 Spring '72

TEACHERS AND TEACHING - Continued

What else do you teach? TSgt Richard F. Webb. USAF Instrs J 9:44-46 Winter '71-'72

Methodology

The first hour. SSgt Raymond A. L. Mead. USAF Instrs J 9:70-72 Winter '71-'72

An instructor's gold mine--group counseling. LtCol Joseph W. Coyle, Ret. USAF Instrs J 9:21-24 Spring '72

Involvement is the key. Capt Thomas L. Bowman. USAF Instrs J 9:51-55 Spring '72

Is silence golden? MSgt James F. Swain. USAF Instrs J 9:54-56 Winter '71-'72

A one-hour miracle? (Teaching good study habits) MSgt Richard D. Close. illus USAF Instrs J 9:38-43 Winter '71-'72

Visualization. TSgt Evariste J. Bisson. USAF Instrs J 9:48-50 Spring '72

TEAGUE, Olin E.

Space shuttle--investment in the future. Olin E. Teague. (Reprinted from Aerospace, April 1972) per Space World I-7-103:20-27 Jul '72

TECHNICAL EDUCATION see Education, TechnicalTECHNICAL ORDERS

Multiple malfunctions. Aerosp Safety 28:18-19 Aug '72

New tech data for Phantom fixers. illus Aerosp Safety 28:14-16 Apr '72

Technical publications--voice of ILS. H. S. Cook, Jr. illus tab chart Log Spectrum 6:9-17 Winter '72

TECHNICAL PERSONNEL see Manpower, TechnicalTECHNICAL WRITING

The engineer and the paragraph. George P. McCannless, Jr. Log Spectrum 6:30-32 Winter '72

TECHNOLOGY

See also

War and Technology

Aerospace technology. C. W. Borklund. illus Govt Exec pt 1, A depressed industry and its missing government partner. 4:43-45+ Jan '72; pt 2, Its image, its real nature, its exploitation. 4:63-65+ Feb '72; pt 3, The fight to rebuild momentum. 4:43-44+ Mar '72; pt 4, Progress and pitfalls in diversification. 4:76+ May '72; pt 5, Series summary: Decision-makers' check list on what needs doing. 4:66-68+ Jun '72

Benefits from NASA-developed technology. Space-flight I-9-105:39-41 Sep '72

Challenges in communications technology. R. W. McFall. Signal 27:6-7 Dec '72

The coming social industrial complex. Simon Ramo. Signal 26:12-15 Mar '72

Communications--a case for national priority. (Address, AFCEA, Washington, June 7, 1972) Robert C. Wilson. illus Signal 26:18-21 Jul-Aug '72

Communications-electronics: The incomparable team. (Address, AFCEA, Washington, June 6, 1972) Irving K. Kessler. illus Signal 26:14-17 Jul-Aug '72

TECHNOLOGY - Continued

The communications explosion. (Address, Southeastern Signal Center and School, Fort Gordon, Ga, Dec 1971) BrigGen Harold W. Rice. Signal 26:29-31 Apr '72

The Defense budget: Realities of deterrence and strategic priority. John S. Foster, Jr. Persp in Def Mgt, pp 1-5, Spring '72

ECM, the 'new breed.' TSgt John J. O'Shaughnessy. Elect Warfare 4:15-16 Spring '72

Factories in space. Stanislav Khabarov. Space World I-3-99:31-32 Mar '72

Foreign Technology Division: Unlocking the secrets of foreign aerospace technology. SSgt David Kaufmann. illus Contact 26:2-5 May-Jun '72

Getting a handle on how technology spins. Interview. Edward David. illus Govt Exec 4:74+ Aug '72

Impact of technology trends on future communication and information handling systems. (Address, AFCEA, Washington, June 6, 1972) Carmen Palermo. illus Signal 26:39-40 Jul-Aug '72

Key to the future. (Military and civilian technologies) Charles Stark Draper. illus Ordnance 57:135-137 Sep-Oct '72

Maintainability engineering management. Col Charles L. Bachtel, Ret. illus Signal 27:20-22 Nov '72

The mission is to regain momentum (in Defense research and development). illus Govt Exec 4:28-29 May '72

New directions in managing technical efforts. (Address, Annual NATO Advisory Group for Aerospace Research and Development, Brussels, Sep 28, 1972) Robert C. Seamans, Jr. AF Plcy Ltr for Comdrs: Sup No. 11:2-12 Nov '72

New technology in maritime cargo systems. (Four articles adapted from panel discussion on Containerized Movement Systems) illus Def Trans J pt 1, Introduction. M. E. Parr. 28:34-36; pt 2, The cellular containership. A. J. Mayor. 28:36-38; pt 3, LASH. CAPT Adrian Spidle, Ret. 28:39-42; pt 4, Seabee. S. A. LeBlanc, Jr. 28:42-45 Jul-Aug '72

Politics & economics: Do they prevent the meaningful use of aerospace technology? Govt Exec 4:56+ Sep '72

Probeye--for fires, crime, etc. illus Govt Exec 4:14 Nov '72

R&D--on staying in business. Maj Thomas Schwartz. Govt Exec 4:34 May '72

RDT&E horserace: Is a neck enough? illus Govt Exec 4:23-25 Apr '72

Science and the future of defence. Hermann Bondi. illus RUSI J for Def Studies 117:10-16 Jun '72

Some speculations on the Navy at the end of the 1970's. Frank Uhlig, Jr. illus Nav War Col Rev 24:9-15 May '72

Soviet military research. LtGen Arthur G. Trudeau. Ordnance 57:130-132 Sep-Oct '72

Soviets predict technology. 1stLt Charles F. Woodhouse II. Ordnance 57:234-235 Nov-Dec '72

TECHNOLOGY - Continued

- Spin-off from space. D. F. A. Edwards. illus Spaceflight 14:365-369 Oct '72
- Technology and the establishment. Col Raymond C. Shreckengost. illus Nav War Col Rev 24:16-32 Mar '72
- Technology and the military. Stanley Sandler. illus US Nav Inst Proc 98:54-61 Mar '72
- The technology coordination paper: A new look at the technology base. Gus D. Dorrough, Jr and Capt Gordon H. Smith. illus Def Ind Bul 8:29-31 Winter '72
- Technology tomorrow. William L. Lehmann. illus Ordnance 56:369-371 Mar-Apr '72
- What's happening in teleprocessing systems? BrigGen Harold R. Johnson, Ret. illus Signal 26:21-24+ Jan-Feb '72

TEETH

- Blowup. (Dysbarism) illus Approach 17:26-30 May '72
- Preventive restorative dentistry. TIG Brief 24:19-20 Jun 30 '72

TELECOMMUNICATIONS see Communications SystemsTELEMETRY

- Continuous ECG recording of helicopter instructor pilots. William P. Schane. illus tabs Aerosp Med 43:560-563 May '72
- EEG monitoring of a free-swimming diver at a working depth of 15 meters. J. R. Zweizig and others. illus Aerosp Med 43:403-407 Apr '72
- Geociever puts Earth in its proper place. AF Times 32:35 Jan 19 '72
- High-performance exercise cardiometer. Robert S. Luce and John M. Lagerwerff. illus Aerosp Med 43:537-540 May '72
- Precordial monitoring of pulmonary gas embolism and decompression bubbles. Merrill P. Spencer and Howard F. Clarke. illus Aerosp Med 43:762-767 Jul '72
- "Real time" (environmental) data by telemetry. (Hy-Tel--Hydrological Telemetry) illus Govt Exec 4:14 Aug '72
- Real-time environmental telemetry. Peter J. DeTroy. illus Signal 27:38-39 Oct '72
- Testing the "Tomcat" (F-14). illus tab Interavia 27:35-37 Jan '72

TELEPHONES AND TELEPHONE SERVICE

- Army communications in Vietnam. MajGen Thomas Matthew Rienzi. illus Signal 26:49-54+ Jun '72
- Dig before you dial. MajGen Dayton W. Eddy, Ret. tab Signal 26:38-39 Apr '72
- "Hello, this is Peking." (Communications arrangements for Pres Nixon's trip to China) Edward A. Gallagher and Joseph J. Gancie. illus Signal 26:32-34+ Jun '72
- (Remote blackboard--handwritten information over telephone) Signal 26:120 Jan-Feb '72

TELESCOPES

- Europe's observatory satellite (Thor-Delta 1A). illus Spaceflight 14:253-255 Jul '72
- Eye on the universe (Orbiting Astronomical Observatory). illus Space World I-10-106:18-27 Oct '72
- Interstellar beacons. John W. Macvey. illus Spaceflight 14:14-16+ Jan '72
- Skylab telescope pre-launch tests. illus Space World I-3-99:4-5 Mar '72
- Small optical telescopes on the moon. E. H. Wells. illus (Also cutaway) Spaceflight 14:90-94 Mar '72

TELEVISION

- Communications network for China visit. illus Signal 26:6-7 Apr '72
- Direct broadcast satellite. TIG Brief 24:17-18 Jul 28 '72
- "Hello, this is Peking." (Communications arrangements for Pres Nixon's trip to China) Edward A. Gallagher and Joseph J. Gancie. illus Signal 26:32-34+ Jun '72
- Reserve Capt (Donald A. Nelson) flies to Shanghai, brings TV station for Nixon visit. Capt Robert Penn. AF Times 32:24 Mar 1 '72
- Television service expands in Europe. Lee Ewing. AF Times 32:22 Mar 8 '72

Military Applications

- Digital television transmission with power and bandwidth efficiency. F. A. Perkins and J. A. Proctor. illus Signal 27:25-28+ Oct '72
- ETV--and awayyy. SSgt Don Mallicoat. illus Soldiers 27:61 Jan '72
- Senate unit expands television in Europe. AF Times 33:51 Oct 18 '72
- Television Division: Office of the Director of Instruction. 1stLts Paul Bahan and Michael Seymour. illus Fld Artilleryman No. 49:51-58 Feb '72
- What it's like to be on TV. (CCTV protects cargo) Frank K. Costa. illus Translog 3:7-8 Feb '72

Programs and Programming

- Government--broadcasting--the public. Clay T. Whitehead. Signal 26:57-59 Jan-Feb '72
- Inside MASH. Sgt IC D. Mallicoat. illus Soldiers 27:18-21 Oct '72

TELEVISION IN ASTRONAUTICS

- Apollo 16. illus Space World I-7-103:4-12 Jul '72
- (First Maverick, a new advanced class of TV-guided missile) illus Signal 27:56 Dec '72
- Mission to Mars. Space World I-2-98:4-13 Feb '72

TELEVISION IN EDUCATION

- ETV--and awayyy. SSgt Don Mallicoat. illus Soldiers 27:61 Jan '72
- Television Division: Office of the Director of Instruction. 1stLts Paul Bahan and Michael Seymour. illus Fld Artilleryman No. 49:51-58 Feb '72



TEMPERATURESee also

Heat

Desynchronization of body temperature and performance circadian rhythm as a result of outgoing and homegoing transmeridian flights. K. E. Klein and others. illus tabs Aerosp Med 43:119-132 Feb '72

Effect of environmental temperature on sweat onset during motion sickness. Joseph A. McClure and Alfred R. Fregly. illus tab Aerosp Med 43:959-967 Sep '72

MAC-man's guide to winter: Pack a snow suit with your swim suit. illus MAC Flyer 19:4-8 Oct '72

TEMPORARY DUTY

5 ways to earn 'short' credit. (AFM 39-11 and AFM 36-11) AF Times 33:19 Aug 9 '72

Overseas TDY per diem to reduce. AF Times 33:42 Nov 22 '72

SEA TDY held to 179 days. AF Times 32:2 Aug 2 '72

Short-tour credit plan clarified. AF Times 33:10 Sep 20 '72

Short-tour policy: Overseas TDY to earn credit. AF Times 32:1+ Jul 12 '72

Some SEA TDYers due pro pay break. AF Times 32:13 Jul 12 '72

TERMINALS, TRANSPORT

MOTBA (Military Ocean Terminal Bay Area)--biggest military terminal complex. Robert L. Marion. illus Translog 3:5-7 Dec '71-Jan '72

The MTMTS cargo security program. Capt Gerald H. Lucas. illus Translog 3:2-5 Mar '72

MTMTS procurement activities. MajGen Clarence J. Lang. illus Def Trans J 28:33-37 Jan-Feb '72

MTMTS Terminal Unit, Pacific Northwest. illus Translog 3:24-25 Feb '72

Retrograde materiel becomes big business. Col Henry G. Allard. illus Translog 3:2-5 Jul '72

Rotterdam-Europoort--versatility increases efficiency. Frans Posthuma. illus tab Def Trans J 28:50-53 May-Jun '72

What it's like to be on TV. (CCTV protects cargo) Frank K. Costa. illus Translog 3:7-8 Feb '72

The whopping cranes. LCDR James E. Huffman. illus Translog 3:2-5 May '72

TERMINOLOGY

See also subdivision Terminology under specific subjects

Initiated messages impact on feasibility. AF Times 33:13 Nov 8 '72

The military vocabulary. (Review of Department of Defense Dictionary of Military and Associated Terms) Argus J. Tresidder. illus Mil Rev 52: 8-13 Dec '72

TERRORISM

Bomb threats. TIG Brief 24:14 Nov 24 '72

TEST FACILITIES

Aerospace supremacy: The mission of the Air Force Armament Development and Test Center. (Commander: MajGen Jewell C. Maxwell) illus Ordnance 57:116-117 Sep-Oct '72

Fastest railroad in the West. (Rocket sled test track at Holloman AFB, NM) Ed Blair. illus Airman 16:34-37 Dec '72

Groundwork for aircraft. William G. Holder. illus Ordnance 57:151-154 Sep-Oct '72

The missile-system test sled--testing space hardware on the ground at 5580 miles per hour. illus Space World 1-3-99:28-29 Mar '72

We test anything. (4950th Test Wg, Wright-Patterson AFB, Ohio) Lt Chris J. Scheer. illus Airman 16:17-20 Jun '72

Wideband antenna test facility. Anthony J. Lombardi and Michael Polgar. illus Signal 27:6-10 Nov '72

TEST PILOTS

Modern-day test pilots enjoy computer safety. AF Times 33:22 Sep 13 '72

Naval Air Test Center tour. LtCol Richard L. Dennis. MarCor Gaz 56:56-57 Jan '72

Psychiatric and psychometric predictability of test pilot school performance. Burford W. Culpepper and others. tabs Aerosp Med 43:1257-1260 Nov '72

Realization of a dream. (Naval Test Pilot School, Patuxent River, Md) CW2 Robert Browning. illus tab USA Avn Dig 18:20-21 Nov '72

Williams (AFB, Ariz test) pilots look for leaks. AF Times 33:36 Oct 4 '72

TESTS AND MEASUREMENTS

Audit of civilian personnel test security. TIG Brief 24:18 Oct 27 '72

Command support for WAPS test development. TIG Brief 24:19 Oct 13 '72

Enlisted aviation MOS (Military Occupational Specialty) tests. Capt Robert Dorgan. USA Avn Dig 18:14-15 Jul '72

Enlisting standards quietly eased up. AF Times 32:10 May 31 '72

FAA nav exam. Capt Louis R. Volpicelli. illus Navigator 19, No. 2:10-11 '72

GMSP? What's that? (General Military Subjects Proficiency) Maj D. E. Jacobsen. MarCor Gaz 56: 27-29 Oct '72

GMT (General Military Training) plan shuffled, test out. George Foster. AF Times 32:1+ May 24 '72

Identical WAPS scores normal. AF Times 33:43 Dec 13 '72

Increasing WAPS visibility. LtCol Donald H. Taylor. illus Airman 16:21-23 Jan '72

NCOs revise exams. illus AF Times 33:47 Dec 13 '72

A no-fail (no good) test (for promotion). Bruce Callander. AF Times 33:13 Aug 30 '72

Noncoms rewrite airman tests. illus AF Times 32:51 May 31 '72

TESTS AND MEASUREMENTS - Continued

- Noncoms rewrite 140 skill tests. AF Times 32:47 Jan 12 '72
- Psychiatric and psychometric predictability of test pilot school performance. Burford W. Culpepper and others. tabs Aerosp Med 43:1257-1260 Nov '72
- Psychological dimensions of Army students attending the U.S. Army War College: An analysis. LtCol Peter B. Petersen. illus tab Parameters 2:60-70 Spring-Summer '72
- Test-dodgers ruled ineligible for hikes. AF Times 32:4 Jun 28 '72
- Validity of specialty knowledge tests. Capt Melvin B. Gambrell, Jr. USAF Instrs J 9:59-61 Spring '72
- (WAPS) promotion tests set for 1 session. AF Times 32:6 Mar 29 '72
- (WAPS) testing cutoffs firmcd. AF Times 32:2 Feb 2 '72

TEUBNER, Harold C.

- AFAA (Air Force Audit Agency)--evaluating USAF efficiency. por AF Mag 55:132-133 May '72

TEXTILE INDUSTRY AND TRADESee also

- Clothing, Protective  
Space Clothing  
Uniforms

THEUS, Lucius

- (BrigGen) Theus okays 'brotherhood' groups. AF Times 33:3 Dec 6 '72
- Equality effort working. Interview. BrigGen Lucius Theus. AF Times 33:1+ Nov 29 '72
- Leadership opportunities for Black officers. (Address, Joint Commissioning Exercises, Air Force and Army ROTC, Tuskegee Institute, Ala, May 13, 1972) BrigGen Lucius Theus. AF Plcy Ltr for Comdrs: Sup No. 9:21-26 Sep '72
- Theus, on star list, gets personnel slot (as Special Assistant to the Director of Personnel Plans for Social Actions, and other general officer changes announced). AF Times 32:11 May 24 '72

THINK TANKS see Research CentersTHOMAS, Charles W.

- Eupalinus--military engineer. RADM Charles W. Thomas, Ret. illus Mil Engr 64:246-247 Jul-Aug '72

THOMAS, George H.

- George H. Thomas: Rock of Chickamauga. LtCol Martin Blumenson and James L. Stokesbury. por Army 22:45-49 Feb '72

THOUGHT AND THINKINGSee also

- Decision Making  
Problem Solving

- The Chinese mind: A probing and exploration. (Lecture, Naval War College, 1971) Clyde B. Sargent. illus Nav War Col Rev 24:41-49 Jan '72

THRUST

- Engine ratings and operational limits. Oliver C. Carlisle. illus Combat Crew 23:8-10 Mar '72
- Thrust required curves. illus Aerosp Safety 28:8-10 Jul '72

THUNDERBIRDS

- Backstage with the Thunderbirds. Ted R. Sturm. illus Airman 16:21-29 Jul '72
- 4th Academy grad (Maj T. Allan McArtor) joins Thunderbirds. AF Times 33:17 Nov 22 '72
- 'Into the wild blue yonder'--Thunderbirds at twenty (years). SSgt Mike Vouri. illus AF Times 32:21 Mar 22 '72
- The meaning of trust: USAF Thunderbirds. SSgt Michael P. Vouri. illus USAF Ftr Wpns Rev No. 4:18-22 Winter '71
- '72 shows listed for Thunderbirds. AF Times 32:24 Mar 1 '72
- "Someone extra special" (Thunderbird's late Maj Joe Howard). illus Govt Exec 4:36 Jul '72
- (Transpo '72 success marred by aerial accidents) illus AF Mag 55:16-17 Jul '72

THUNDERSTORMS

- Ma Nature's Sunday punch (lightning). Capt James F. Hines. tabs TAC Attack 12:28-29 May '72
- A very uneven contest. (Aircraft against thunderstorms) illus MAC Flyer 19:26-27 Jun '72
- Warning! Severe weather ahead. illus Approach 17:4-6 Jun '72

TIDD, Emmett H.

- Recruiting is the concern of all the Navy. RADM Emmett H. Tidd. por Officer 48:16 Dec '72

TIERNEY, John M.

- The need for innovation. (Address, American Society of Military Comptrollers National Symposium, Bolling AFB, DC, May 17, 1972) RADM J.M. Tierney. por Armed Forces Compt 17:5-8 Summer '72

TIME

- Comment on the value of time and its effect on defense systems acquisition. John S. Baumgartner. illus Def Mgt J 8:53-56 Jul '72

TIME AND MOTION STUDY

- The Metlaff factor. Capt Edward J. Rasimus, Jr. USAF Instrs J 9:56-58 Spring '72

TIME MEASUREMENT

- Cesium clocks hum at Elmendorf (AFB, Alas). illus AF Times 32:26 Jan 5 '72
- PMEL (Precision Measurement Equipment Laboratory) at Vandenberg (AFB, Calif) spells accuracy. illus AF Times 32:26 Jan 5 '72

TIRESSee also

- Airplanes, Military--Tires

TKACH, Walter R.

Tkach impressed by Chinese medicine. AF Times 33:10 Sep 20 '72

TOLSON, John J., III

The new challenge (for Army Aviation). LtGen John J. Tolson. illus USA Avn Dig 18:2-3+ Dec '72

TOOLS

See also  
Machine Tools

Composite tool kit. (Reprinted from Airscoop, June 1972) illus Interceptor 14:26-28 Oct '72

TOTAL OBJECTIVE PLAN FOR CAREER AIRMAN PERSONNEL see TOPCAPTOTAL OFFICER PERSONNEL OBJECTIVE STRUCTURE FOR THE LINE OFFICER FORCE see TOPLINETOURS OF DUTY

See also

Assignments, Military  
Permanent Change of Station  
Remote-Isolated Duty  
Temporary Duty

Computer snubs volunteers (for overseas assignments). AF Times 32:8 Mar 1 '72

DC proves exciting but costly. illus AF Times 32:22 Apr 12 '72

EM job exchange set. Bruce Callander. AF Times 32:1+ Jan 19 '72

Headquarters USAF inspector duty--the challenging and educational tour. TIG Brief 24:2 Nov 10 '72

Inspection duty tours. TIG Brief 24:3 Mar 24 '72

List of 'SEA-critical' skills grows longer. tab AF Times 32:8 Feb 2 '72

More SEA returns loom. AF Times 32:3 Jun 7 '72

O'sea-CONUS moves: Fewer due to get two short tours. Bruce Callander. AF Times 33:1+ Oct 11 '72

O'sea extension requests welcomed--at right time. AF Times 32:22 Feb 23 '72

Overseas freeze list hits field--bars PCS for thousands. AF Times 32:8 May 17 '72

O'seas 'stays' pushed. AF Times 33:11 Dec 20 '72

PCS problem stays--no reduction in moves seen. AF Times 33:18 Nov 22 '72

Reflections of a MAAG tour. Maj Richard A. Miller. illus MarCor Gaz 56:41-44 Mar '72

Retiring O-6s lose base option--terminal assignments must be in authorized colonel slots. AF Times 33:4 Aug 30 '72

Rotation study aims at better retention. Randall Shoemaker. AF Times 32:1+ Apr 19 '72

SEA-critical skills grow. Bruce Callander. tab AF Times 33:1+ Aug 16 '72

SEA-critical skills grow in new list. AF Times 32:10 May 31 '72

Senate seeks transfer of headquarters military. Bob Horowitz. AF Times 32:6 Aug 2 '72

TOURS OF DUTY - Continued

70 (non-rated field-grade officers) slated for SEA involuntary tours. George Foster. AF Times 33:1+ Aug 23 '72

'Short' airmen warned. AF Times 32:7 May 10 '72

Singles tour cut overseas. Bruce Callander. AF Times 32:1+ May 10 '72

Some swaps hit by eligibility lack. AF Times 32:3 Apr 26 '72

Specified period of time contract. TIG Brief 24:8 Oct 27 '72

Tour improvement package proposed. Bruce Callander. AF Times 32:1+ May 3 '72

TOWNER, Alonzo A.

(LtGens Alonzo A.) Towner (and Robert G.) Ruegg to retire; other three-stars shifted. AF Times 32:3 May 10 '72

TRACY, Benjamin F.

The making of a navalist: Secretary of the Navy Benjamin Franklin Tracy and seapower. B. Franklin Cooling. Nav War Col Rev 25:83-90 Sep-Oct '72

TRADITIONS, MILITARY

See also

Customs, Military

TRAFFIC ACCIDENTS see Accidents, TrafficTRAFFIC MANAGEMENT

See also

Military Traffic Management and Terminal Service

Air base-community planning; Randolph AFB, (Tex) Subregion Thoroughfare Study Group leads the way. Michael L. Donovan. illus map AF Civil Engr 13:2-5 May '72

Emergency traffic management planning. C. James Shoemaker. Translog 3:18-21 Sep '72

Good grief! The office is moving! (U.S. Army Transportation Engineering Agency assists commands with transportation problems) Charles T. Cochran. illus Translog 3:15-16 Oct '72

MAC transportation procurement policies. MajGen Ray M. Cole. illus Def Trans J 28:28-32 Jan-Feb '72

MTMTS procurement activities. MajGen Clarence J. Lang. illus Def Trans J 28:33-37 Jan-Feb '72

Military traffic management. TIG Brief 24:19-20 Sep 29 '72

Military traffic management: Career or job; a status report on the profession. Roland L. Guyotte. illus Translog 3:15-18 May '72

New (traffic) signs ahead. illus Soldiers 27:38-39 Aug '72

Organization and management of the logistics function in industry. Herbert W. Davis. tabs Log Spectrum 6:9-13 Fall '72

Responsive physical distribution in a changing world. Edwin J. Pruszyński. illus Log Spectrum 6:24-31 Summer '72



TRAFFIC MANAGEMENT - Continued

Traffic safety education. TIG Brief 24:6 Jan 28 '72

Transportation's middleman. Col Thomas D. Emery. illus Translog 3:9-10 Mar '72

TRAILERS

See also  
House Trailers

The ground helicopter transport/trailer. Maj Paul D. Keller. illus Armor 81:49-51 May-Jun '72

TRAINING see Education and Training

TRAINING AIDS

See also  
Audio-Visual Aids  
Motion Pictures

Intelligence instinct can be developed. Maj James B. Channon. illus Infantry 62:28-31 May-Jun '72

Mortars and mirrors: A limited facility training aid. MSgt Charles L. Bryant, Ret. (Reprinted from Infantry, April 1957) illus tab Infantry 62:42-44 Jan-Feb '72

TRAJECTORIES

See also  
Space Vehicles--Trajectories

TRANSFERS, MILITARY

Here are entered articles on interservice transfers; for intraservice transfers see Rotation.

Officer gains top losses in transfers. AF Times 32:1+ May 24 '72

TRANSIENT FACILITIES

EM to pay fee but get it back in better TAQs (Transient Airmen Quarters). AF Times 33:20 Sep 13 '72

1st TLF (Temporary Lodging Facility) opens (at Norton AFB, Calif) as two issues stir AF. illus AF Times 33:59 Aug 9 '72

TLF expansion in trouble--Congress attacks; DOD restricts. AF Times 33:11 Dec 27 '72

TLF (Temporary Lodging Facilities) program hits slowdown. AF Times 33:19 Nov 8 '72

TLFs opening at nine bases--6 others in doubt. AF Times 33:4 Dec 13 '72

Transient housing use fees sought. AF Times 32:4 Jul 19 '72

TRANSISTORS

The transient ghost is finally harnessed. G. D. Jonassen. illus Signal 26:34-35 Mar '72

TRANSPORTATION

See also  
Shipping

HSST (High Speed Surface Transport) in a total transportation system. Michael Overall and Oliver Bennett. illus Interavia 27:522-523 May '72

Exhibitions

A new mobile field hospital concept--(Medical Unit Self-contained, Transportable (MUST)) in operation at Transpo '72. illus Govt Exec 4:43 May '72

TRANSPORTATION - ContinuedExhibitions - Cont'd

Transpo '72. H.R. Kaplan. illus Review 52:11-12+ Jul-Aug '72

Transpo 72--behind the scenes at transportation's most exciting show. John A. Volpe. illus Def Trans J 28:20-24 Jan-Feb '72

Transpo 72--for people on the move. Michael Brown. illus Interavia 27:837-840 Aug '72

Transpo 72 opens its doors. Henry Simmons. illus Interavia 27:531-532 May '72

(Transpo '72 success marred by aerial accidents) illus AF Mag 55:16-17 Jul '72

Transpo 72--United States International Transportation Exposition. illus Mil Engr 64:78-80 Mar-Apr '72

An unusual government/industry project with big payoff potential (Transpo 72). illus Govt Exec 4:42 May '72

Europe, Western

A common transport policy for the European Communities. Horst Seefeld. illus Def Trans J 28:40+ Sep-Oct '72

Pacific Region

Transportation in the Pacific Command. (From address, NDTA's 6th International Transportation Seminar-Pacific, Honolulu, Hawaii, Feb 7-9, 1972) illus Translog 3:9-10+ Apr '72

RussiaStatistics

The sea and Soviet domestic transportation. Robert E. Athay. illus maps tabs US Nav Inst Proc 98: 158-177 May '72

Switzerland

The Swiss Transport Museum (at Lucerne). A. Waldis. illus Interavia 27:722-723 Jul '72

United States

America's inland waterways face a bright future. Miche'l R. Scott. illus Translog 3:18-21 Dec '71-Jan '72

And leave the riding to us! Col Joe O. Bellino. illus Def Trans J 28:42-46 Mar-Apr '72

Buses--steam power, low pollution. illus Govt Exec 4:15 Jan '72

CAB/ICC--attention to travelers service. illus Govt Exec 4:21 Oct '72

Cargo (in)security. Col John F. Hyde. illus Translog 3:6-7 Jun '72

Combating cargo theft--it's the good guy's move!! Richard F. Lally. illus Def Trans J 28:22-23+ Sep-Oct '72

Container interchange (rail/highway/maritime) agreement. Armour Armstrong. Def Trans J 28:25-27 Nov-Dec '72

General Services Administration transport procurement. Malcolm J. Newbourne. chart illus Def Trans J 28:46-51 Jan-Feb '72

TRANSPORTATION - ContinuedUnited States - Cont'd

- Good grief! The office is moving! (U. S. Army Transportation Engineering Agency assists commands with transportation problems) Charles T. Cochran. illus Translog 3:15-16 Oct '72
- Government transportation procurement policies--a \$12 billion government transportation bill and how it's spent. illus Def Trans J 28:25-58 Jan-Feb '72
- The hassle of being Under Secretary (Dept of Transportation). Interview. James M. Beggs. illus Govt Exec 4:69+ Oct '72
- Highways and national defense. F. C. Turner. (Reprinted from Military Engineer, July-Aug 1971) illus Translog 3:2-4+ Dec '71-Jan '72
- John Volpe revisited--successes and setbacks--and undiminished optimism. Interview. illus Govt Exec 4:37-38+ May '72
- Master plan for national transportation emergency. chart Govt Exec 4:74-75 May '72
- Mobility for physically impaired persons. Joseph L. Mandella and Harry A. Schweikert, Jr. illus Def Trans J 28:63-67 Jul-Aug '72
- Regulating transportation in the future. George M. Stafford. Def Trans J 28:28+ Nov-Dec '72
- State of the nation's transportation system. James M. Beggs. illus tabs Def Trans J 28:24-32 May-Jun '72
- Transportation and the environment--can we have both? John A. Volpe. illus Mil Engr 64:312-314 Sep-Oct '72
- Transportation procurement and the Department of Defense. Vincent F. Caputo. illus Def Trans J 28:26-27 Jan-Feb '72
- Trucking associations and Defense transportation. Michel R. Scott. illus Translog 3:19-21 Jul '72
- United States Department of Agriculture: Warehousing and transportation procurement. illus tab Def Trans J 28:56-58 Jan-Feb '72
- Young managers in defense transportation. Regular feature in issues of Defense Transportation Journal

Bibliography

- Cargo security bibliography. Regular feature in issues of Translog

Costs

- MTMTS procurement activities. MajGen Clarence J. Lang. illus Def Trans J 28:33-37 Jan-Feb '72

TRANSPORTATION, AIRSee also

- Air Cargo  
Aviation, Commercial

- Before Madrid (1st World Congress on Air Transportation and Tourism)--opportunities missed. Interavia 27:577 Jun '72

- The defenders. Rolf H. Wild. illus Interavia 27:521 May '72

TRANSPORTATION, AIR - Continued

- High speed surface transportation--rail challenges air on inter-city routes. Max Nibloe. illus Interavia 27:510-511 May '72

- High speed surface transportation--the challengers. Michael Brown. illus (Also cutaway) maps tabs Interavia 27:512-520 May '72

ChinaHistory

- Air transport for China: The early years. William M. Leary, Jr. illus Aerosp Hist 19:32-37 Mar '72

United States

- MAC transportation procurement policies. MajGen Ray M. Cole. illus Def Trans J 28:28-32 Jan-Feb '72

TRANSPORTATION, AIR (MILITARY)See also

- Air Cargo  
Airdrop  
Airlift  
Movement Control

United States

- Air industry, users in tailspin. AF Times 32:15 Jan 12 '72

- MAC transportation procurement policies. MajGen Ray M. Cole. illus Def Trans J 28:28-32 Jan-Feb '72

- Security of aircraft transporting nuclear weapons. TIG Brief 24:18 Aug 18 '72

- Shaping air transportation to meet national defense needs. (Adapted from address, NDTA 26th Annual Transportation and Logistics Forum, Minneapolis-St Paul, Oct 6, 1971) Robley L. Mangold. illus Def Trans J 28:32-35 Mar-Apr '72

TRANSPORTATION, MILITARYSee also

- Movement Control

- And leave the riding to us! Col Joe O. Bellino. illus Def Trans J 28:42-46 Mar-Apr '72

- Government transportation procurement policies--a \$12 billion government transportation bill and how it's spent. illus Def Trans J 28:25-58 Jan-Feb '72

- Has the Army kept pace with containerization? Col Fred P. Howland. illus Def Trans J 28:66-69 May-Jun '72

- MOTBA (Military Ocean Terminal Bay Area)--biggest military terminal complex. Robert L. Marion. illus Translog 3:5-7 Dec '71-Jan '72

- The MTMTS cargo security program. Capt Gerald H. Lucas. illus Translog 3:2-5 Mar '72

- MTMTS procurement activities. MajGen Clarence J. Lang. illus Def Trans J 28:33-37 Jan-Feb '72

- Mobility planning is everybody's business. MajGen Clarence J. Lang. illus Def Trans J 28:32-35 Sep-Oct '72

- The Navy's unique transportation requirement. William B. Bristor, Jr. illus Def Trans J 28:53-56 Sep-Oct '72

TRANSPORTATION, MILITARY - Continued

- Partners in defense transportation. (MOBilization DESignee (MOBDES)) Michel R. Scott. illus Translog 3:10+ Jun '72
- Passenger Standing Route Order: Aid to recruits and recruiters. James C. Townes. illus Translog 3:15-16 Apr '72
- Profile: (BrigGen) M. D. "Bob" Losey (Ret). illus Def Trans J 28:14 Sep-Oct '72
- Shipping a car overseas? Some tips on what to do--advice from MTMTS. George Post. tab AF Times 32:24 May 10 '72
- So they were married. (Classifying Defense cargo) Don Thompson. illus Translog 3:17-18 Mar '72
- Transportation in Reserve. Col Robert J. Huddleston. illus Def Trans J 28:46-48+ Sep-Oct '72
- Transportation in the Pacific Command. (From address, NDTA's 6th International Transportation Seminar-Pacific, Honolulu, Hawaii, Feb 7-9, 1972) illus Translog 3:9-10+ Apr '72
- Transportation procurement and the Department of Defense. Vincent F. Caputo. illus Def Trans J 28:26-27 Jan-Feb '72
- Transportation's middleman. Col Thomas D. Emery. illus Translog 3:9-10 Mar '72
- Travel in the grand style (by cargoliner). Maj Frank S. Besson III. illus Translog 3:6-8 Apr '72
- Trucking associations and Defense transportation. Michel R. Scott. illus Translog 3:19-21 Jul '72
- USAMC transportation moves ahead in automatic data processing. William C. Rabold. illus Translog 3:8-9 Dec '71-Jan '72
- Weapon breakout and delivery. TIG Brief 24:22 Apr 7 '72
- Wives at sea. (Navy destroyer USS Puget Sound transports Navy families to new home port in Athens, Greece) Connie Gibson Wehrman. illus AF Times, Family sup:20-23 Dec 6 '72

Costs

- Conserving Defense transportation dollars. E. E. Balducci. illus Translog 3:16-18 Jul '72
- Interagency study of Sealift Procurement And National Security (SPANS). Russell F. Stryker and James R. Locher III. illus Def Trans J 28:58-61 Sep-Oct '72
- The people people. (Interview with Col Joe O. Bellino) Pat Thomasson. illus Translog 3:2-6 Feb '72
- Transit privileges reduce transportation costs. James J. Carlin. illus Translog 3:9-10+ May '72
- View from the middle. (Mid-level executive briefings at Hq MTMTS) LtCol Bruce M. Bellamy. illus Translog 3:2-5 Apr '72
- What about Section 22 (of the Interstate Commerce Act)? A legislative history. Louis A. Masciocchi. illus Translog 3:19-21+ May '72

TRANSPORTATION, SEASee also

Merchant Marine  
Military Sealift Command

- All troops ashore. SGM T.R. Blandford, Ret. illus Translog 3:16-19 Feb '72

TRANSPORTATION, SEA - Continued

- Future water transport. Maj William D. Siuru, Jr and William G. Holder. illus Ordnance 56:395-399 Mar-Apr '72
- New dimensions in sealift. LtCol Keith S. Kelly. illus Parameters 1:61-70 Winter '72
- Revitalizing America's seapower. RADM John D. Chase. illus Translog 3:6-9 Sep '72
- Super-ports for super-ships. LCDR Ronald D. Rosie. illus Mil Engr 64:105-107 Mar-Apr '72
- Transportation procurement at A.I.D.: 300 million tons--some reminiscences. R. C. Duane. illus tabs Def Trans J 28:52-55 Jan-Feb '72
- Travel in the grand style (by cargoliner). Maj Frank S. Besson III. illus Translog 3:6-8 Apr '72
- Wives at sea. (Navy destroyer USS Puget Sound transports Navy families to new home port in Athens, Greece) Connie Gibson Wehrman. illus AF Times, Family sup:20-23 Dec 6 '72

Costs

- Military Sealift (Command) procurement and the Merchant Marine. RADM John D. Chase. illus tabs Def Trans J 28:40-45 Jan-Feb '72

TRANSPORTATION CENTERS AND SCHOOLSArmed Forces

- Education and training--key to advancement in transportation and traffic management. Ronald J. Dettmer. illus Translog 3:8-9 Jul '72

Army

- The Army post transportation office (Fort Eustis, Va)--a case study. James B. Short. illus chart Def Trans J 28:62-65 Mar-Apr '72
- New commanders named for Military Airlift Command, Army Transportation Center. Translog 3:17 Oct '72

TRANSPORTATION CORPSHistory

- All troops ashore. SGM T.R. Blandford, Ret. illus Translog 3:16-19 Feb '72

TRANSPORTATION DEPTSee also

Coast Guard  
Federal Aviation Administration

- The hassle of being Under Secretary (Dept of Transportation). Interview. James M. Beggs. illus Govt Exec 4:69+ Oct '72
- John Volpe revisited--successes and setbacks--and undiminished optimism. Interview. illus Govt Exec 4:37-38+ May '72

- New link at DOT--the Sec-Rep. map tab Def Trans J 28:33-35 Nov-Dec '72

- State of the nation's transportation system. James M. Beggs. illus tabs Def Trans J 28:24-32 May-Jun '72



TRANSPORTATION UNITSSee also

Airlift Units

Air Force

Air Force One's Col Ralph D. Albertazzie: Flying is the tip of the iceberg. *illus Govt Exec* 4:32 Mar '72

The President's plane: 'Pampered' jet flies to Moscow. *illus AF Times* 32:34 Jun 14 '72

Reserve Forces--Army

Transportation in Reserve. Col Robert J. Huddleston. *illus Def Trans J* 28:46-48+ Sep-Oct '72

TRAVEL

See also subdivision Description and Travel under specific countries and cities

Bargain flights include 3 types. *AF Times* 33:42 Dec 6 '72

Before Madrid (1st World Congress on Air Transportation and Tourism)--opportunities missed. *Interavia* 27:577 Jun '72

CAB/ICC--attention to travelers service. *illus Govt Exec* 4:21 Oct '72

CAB wins on charter flights; rule modifications expected. *Armed Forces J* 109:11-12 Apr '72

Charter deadline nearing--many lose eligibility. *AF Times* 33:21 Aug 30 '72

Charter expands. Bob Horowitz. *AF Times* 32:1+ Mar 15 '72

House panel approves plan to kill transatlantic flights. *AF Times* 32:1+ Feb 16 '72

Mileage limit set for Reserves. *AF Times* 33:46 Dec 13 '72

O'seas bases curb benefits--retiree outlook. *AF Times* 32:30 Mar 22 '72

Retirees bumped from air charters. *Armed Forces J* 109:10+ Jul '72

TRAVEL, MILITARYSee also

Transportation, Military

ANG Creek Guardlift (for military travelers in Europe). *illus map Air Reservist* 24:8-9 Feb '72

Air fares stay low: Three groups to promote round-trip 'tours'; Pentagon rec club plans charter service. *AF Times* 33:51 Oct 4 '72

Airline asks to kill rule on uniforms. *AF Times* 32:3 Mar 22 '72

Airline limits noted. *AF Times* 33:2 Dec 20 '72

Bargain Europe fare planned by Pan Am (erican World Airways). *AF Times* 32:4 Jan 5 '72

Charter companies announce new flights. *AF Times* 33:21 Oct 11 '72

Charters proliferate following CAB ruling. Sue Toma *AF Times* 33:2 Nov 8 '72

Comptroller tightens kin travel. *AF Times* 32:10 Apr 5 '72

FAMCAMPs: Six on way, 11 abuilding. *tab AF Times* 32:22 Apr 19 '72

TRAVEL, MILITARY - Continued

Leave-fare plan working, but... *AF Times* 33:6 Oct 18 '72

Leave travel rules standardization. *TIG Brief* 24:21 Oct 27 '72

MAC transportation authorization copies in support of travel payments. *TIG Brief* 24:8 Sep 1 '72

New commercial surface travel policy. *TIG Brief* 24:11 Dec 22 '72

Pacific fares dip for military, kin. *AF Times* 32:4 Jan 26 '72

Pan Am cuts fares to 15 o' sea cities. *AF Times* 32:3 Mar 8 '72

Retirees bumped from air charters. *Armed Forces J* 109:10+ Jul '72

Serving the military traveler (MTMTS). Maj George E. Tilden. *Translog* 3:10+ Dec '71-Jan '72

Several bargain flights from Europe to U.S. set. *AF Times* 33:6 Nov 15 '72

Tax threat to end on 'in kind' travel. *AF Times* 32:41 Apr 26 '72

Tour improvement package proposed. Bruce Callander. *AF Times* 32:1+ May 3 '72

Travel 'savings' (assumption) deceptive. Bruce Callander. *AF Times* 33:13 Oct 11 '72

Travel transactions at base level. *TIG Brief* 24:9-10 Sep 1 '72

Travelers get reminder of distant rule. *AF Times* 32:3 Jul 19 '72

Why is a good CAB hard to find when you need a charter flight? Margaret Eastman. *AF Times*, *Family sup*:4+ Dec 20 '72

Space Available

House panel approves plan to kill transatlantic flights. *AF Times* 32:1+ Feb 16 '72

Improved procedures for space available travelers. *TIG Brief* 24:13 Jan 28 '72

Price panel hears arguments on charter flight restrictions. James D. Hessman. *Armed Forces J* 109:10+ Jan '72

Space-A priorities switched. *AF Times* 32:1+ Mar 22 '72

Space-A priority shifts July 1--men on leave move up. *AF Times* 32:18 Jun 21 '72

Space-A priority studied. Randy Shoemaker. *AF Times* 33:1+ Dec 27 '72

Space-A reg (4515.13R) under fire for youth priority shift. Gene Spooner. *AF Times* 32:8 Aug 2 '72

Travel pinch grows. *AF Times* 33:2 Oct 4 '72

TRAVEL PAY

Comptroller tightens kin travel. *AF Times* 32:10 Apr 5 '72

Diem boost on the way. *AF Times* 32:4 Apr 19 '72

Drivers get more cash. Randy Shoemaker. *AF Times* 32:1+ Apr 5 '72

TRAVEL PAY - Continued

- EM's 'time clock' just like officer's. AF Times 32:4 Jul 5 '72
- MAC transportation authorization copies in support of travel payments. TIG Brief 24:8 Sep 1 '72
- Many o'sea allowances change--effect of shifting \$\$ rate. AF Times 33:23 Oct 18 '72
- Nixon may feel 'jet lag.' AF Times 32:51 Mar 1 '72
- O'sea allowance due eight changes. AF Times 33:10 Sep 13 '72
- Overseas TDY per diem to reduce. AF Times 33:42 Nov 22 '72
- Personnel chief champions additional benefits for EM AF Times 32:3 Mar 15 '72
- Services suggest per diem increases. AF Times 32:6 Jun 7 '72
- Single-married issue: AF pushing benefit 'equality.' Bob Towle. AF Times 33:1+ Aug 30 '72
- Temporary Lodging Allowances (TLA)--administrative examination. TIG Brief 24:20 Oct 27 '72
- Travel benefits pushed--more E-4s would gain. Bob Towle. AF Times 33:1+ Dec 27 '72
- Travel pay for low EM called 'top priority' item. Interview. Richard J. Borda. AF Times 33:4 Aug 23 '72
- Travel rate boost studied. Randall Shoemaker. AF Times 32:4 Jul 5 '72
- Travel transactions at base level. TIG Brief 24:9-10 Sep 1 '72

TREASURY DEPTUnited States

- The economy and defense: Secretary (John B.) Connally must see that the nation can afford to be secure. illus Ordnance 56:458-459 May-Jun '72

TREATIES AND ALLIANCES

Here are entered articles on acts, agreements, and pacts between nations.

See also specific international agreements, e. g.,  
Central Treaty Organization  
North Atlantic Treaty Organization  
Warsaw Pact

- Britain's role in South East Asia: The five-power agreement. Lord Robert A. L. Balmiel. illus RUSI J for Def Studies 117:3-12 Mar '72
- The improbable alliance: The Central Powers and coalition warfare, 1914-1918. LtCol James B. Agnew. illus charts Parameters 1:36-49 Winter '72
- Naval diplomacy and the failure of balanced security in the Far East--1921-1935. LCDR William S. Johnson. illus Nav War Col Rev 24:67-88 Feb '72
- Operative sections of mutual defense pacts. AF Plcy Ltr for Comdrs: Sup No. 5:30-31 May '72
- The SALT agreement. Interavia 27:700 Jul '72
- The SALT agreement. Intl Def Rev 5:357 Aug '72
- SALT and the strategic balance. London's International Institute for Strategic Studies. AF Mag 55:53-55 Dec '72

TREATIES AND ALLIANCES - Continued

- SALT: In a wound, it hurts. Claude Witze. AF Mag 55:13-14 Oct '72
- The seabed arms control issue 1967-1971: A super-power symbiosis? James A. Barry, Jr. Nav War Col Rev 25:87-101 Nov-Dec '72
- U. S. force reductions? The implications for Europe. Maj B. A. Clayton. illus RUSI J for Def Studies 117:55-61 Sep '72
- U. S. /USSR space agreement. (Text of the agreement on cooperation in space between the United States and the Union of Soviet Socialist Republics signed in Moscow, May 24, 1972) illus Space World I-11-107:4-15 Nov '72

TRIALSSee also  
Courts-Martial

- Academy grad COs win court round. George Foster. AF Times 33:1+ Aug 30 '72
- Appeals Court splits on right to speedy trial. AF Times 32:19 Jan 19 '72
- Extradite fight lost by NCO (SSgt Bernard Williams). George Foster. AF Times 32:1+ Mar 8 '72
- JAG head (MajGen James S. Cheney) orders reduced pre-trial confinement use. AF Times 32:3 May 17 '72
- Limits placed on trial data release. AF Times 33:10 Aug 16 '72
- Yamashita, Nuremberg and Vietnam: Command responsibility reappraised. LtCol Franklin A. Hart. Nav War Col Rev 25:19-36 Sep-Oct '72

Statistics

- 2,475 AFers given courts-martial in '71. AF Times 32:4 Mar 15 '72

TRIMMER, Harold S.

- A Trimmer look at GSA. Interview. por Govt Exec 4:25-29 Jan '72

TROOP MOVEMENTS see Movement ControlTROPHIES see Awards, Decorations, etcTROPICAL WARFARE see Jungle WarfareTROPOSPHERIC SCATTER

- Communications systems planning. Preston E. Law. tab Signal 27:22-26 Dec '72
- A controllable feedhorn. SP5 Walter Blake. illus Signal 27:27 Nov '72

TRUCKS AND TRUCKING

- Trucking associations and Defense transportation. Michel R. Scott. illus Translog 3:19-21 Jul '72

TRUDEAU, Arthur G.

- Soviet military research. LtGen Arthur G. Trudeau. Ordnance 57:130-132 Sep-Oct '72

TRUST TERRITORIES

- Confusion in the confetti islands--uncertainty clouds U. S. future in strategic Micronesia. Lawrence Griswold. illus map Sea Power 15:12-17 Nov '72

TRUST TERRITORIES - Continued

Turmoil in paradise: Micronesia at the crossroads.  
Capt James H. Webb, illus map US Nav Inst Proc  
98:26-37 Jul '72

TUNNELSSee also

Wind Tunnels

Eupalinus--military engineer. RADM Charles W.  
Thomas, Ret. illus Mil Engr 64:246-247 Jul-  
Aug '72

Mobile River tunnel. B. L. Roberson, illus Mil Engr  
64:424-428 Nov-Dec '72

TURBINES see Gas Turbines (Aircraft)

TURBULENCE

Clear air turbulence detection by infrared photog-  
raphy and radiometry, illus Interavia 27:256  
Mar '72

TURBULENCE - Continued

(Laser-doppler clear air turbulence detection  
system) Signal 27:51 Dec '72

Mutual attraction, (Mid air collisions) Robert J. Boyd,  
Combat Crew 23:18-20 Aug '72

Those man-made rocks (heavy jet wake turbulence) in  
the sky. Capt Phil Budd, illus MAC Flyer 19:3-6  
Nov '72

Transports in turbulence. Maj Ed Ross, illus MAC  
Flyer 19:3-8 Apr '72

TURNER, Stansfield

The United States at a strategic crossroads. VADM  
Stansfield Turner, illus US Nav Inst Proc 98:18-25  
Oct '72

TYPHOONS

Joint Typhoon (Warning) Center (at Nimitz Hill,  
Guam) records busy year. AF Times 32:42  
Mar 1 '72



UN see United Nations

USACSC see Army Computer Systems Command

USAFE see Air Forces in Europe

USAREUR see Army, Europe

USO see United Service Organizations

USSR see Russia

## UKRAINE

### History

Czechoslovakia, Ukrainian separatism and Soviet security. A. H. S. Candlin. map Army Qtr 102:209-220 Jan '72

## UNCONVENTIONAL WARFARE

See also specific types of unconventional warfare, e.g.,

Chemical-Biological Warfare

Counterinsurgency

Guerrilla Warfare

Nuclear Warfare

Psychological Warfare

Independent action forces. Maj John M. Mattisse. MarCor Gaz 56:13 Oct '72

## UNDERDEVELOPED AREAS

The development process and stability operations. Raymond J. Barrett. illus Mil Rev 52:58-68 Nov '72

Mankind in the world of tomorrow--tomorrow's society. C. F. Freiherr von Weizsaecker. illus NATO's Fifteen Nations 16:93-95+ Dec '71-Jan '72

Peking and the third world. V. Kudryavtsev. Soviet Mil Rev No. 3:52-53 Mar '72

## UNDERGROUND STRUCTURES

Twenty-four fathoms--underground. (Norway's Haakonsværn NB) Desmond Wettern. illus US Nav Inst Proc 98:121-122 Mar '72

UNDERSEA RESEARCH VEHICLES see Submersible Vehicles

UNDERWATER PROPULSION see Propulsion Systems

## UNDERWATER RESEARCH

### See also

Deep Submergence Systems Program  
Project--Tektite

Underwater construction survey. John B. Ciani and others. illus Mil Engr 64:315-318 Sep-Oct '72

Underwater ordnance. P. Eleson. Regular feature in issues of Ordnance

(Unmanned Arctic Research Submersible--UARS)  
Signal 27:60 Nov '72

### Equipment

Mobility on the sea floor. K. W. Wiendieck and others. illus tab Mil Engr 64:251-255 Jul-Aug '72

### Physiological Aspects

Changes in the hemostatic system and in blood and urine chemistry of human subjects following decompression from a hyperbaric environment. R. B. Philp and others. tabs Aerosp Med 43:498-505 May '72

Detection of gas bubbles in man at decompression. A. Evans and others. illus Aerosp Med 43:1095-1096 Oct '72

## UNDERWATER RESEARCH - Continued

### Physiological Aspects - Cont'd

Diver performance: Nitrogen narcosis and anxiety. F. M. Davis and others. illus tabs Aerosp Med 43:1079-1082 Oct '72

EEG monitoring of a free-swimming diver at a working depth of 15 meters. J. R. Zweizig and others. illus Aerosp Med 43:403-407 Apr '72

Effect of underwater breathing apparatus and absolute air pressure on divers' ventilatory capacity. J. B. Morrison and W. S. Butt. illus tabs Aerosp Med 43:881-886 Aug '72

Effects of externally imposed mechanical resistance on breathing dense gas at exercise: Mechanics of breathing. Richard R. Uhl and others. illus tabs Aerosp Med 43:836-841 Aug '72

Effects of immersion with the head above water on tissue nitrogen elimination in man. U. I. Balldin and C. E. G. Lundgren. illus tabs Aerosp Med 43:1101-1108 Oct '72

Electroencephalographic changes during saturation excursion dives to a simulated sea water depth of 1,000 feet. L. D. Proctor and others. illus tabs Aerosp Med 43:867-877 Aug '72

Hemodynamic changes in man during immersion with the head above water. M. Arborelius, Jr and others. illus tabs Aerosp Med 43:592-598 Jun '72

Observations on platelet changes in man after simulated diving. K. J. Martin and G. Nichols. illus Aerosp Med 43:827-830 Aug '72

Pulmonary air-trapping induced by water immersion. Gunnar O. Dahlback and Claes E. G. Lundgren. illus tabs Aerosp Med 43:768-774 Jul '72

Regional lung function in man during immersion with the head above water. Mans Arborelius, Jr and others. illus tabs Aerosp Med 43:701-707 Jul '72

Review of protective pharmacological agents in diving. P. B. Bennett. Aerosp Med 43:184-192 Feb '72

Saturation diving. TCM Robert C. Sheats, Ret. illus US Nav Inst Proc 98:54-61 Sep '72

Some cardiorespiratory and metabolic responses of scuba divers to increased pressure and cold. C. Joe Russell and others. tabs Aerosp Med 43:998-1001 Sep '72

Some considerations in establishing divers' breathing gas purity standards for carbon monoxide. Joseph D. Bloom. tabs Aerosp Med 43:633-636 Jun '72

Some physiological responses to the stress of aqua-lung diving. F. M. Davis and others. illus tabs Aerosp Med 43:1083-1088 Oct '72

Speech intelligibility during exercise at normal and increased atmospheric pressures. Thomas Murry and others. illus tab Aerosp Med 43:887-890 Aug '72

## UNDERWATER STATIONS

Operation Ms under the sea. (Tektite II) David Jacobson. illus Sea Power 15:29-32 Feb '72

## UNIFICATION OF THE ARMED FORCES

### United States

Single force idea: Painless process? Bruce Callander. AF Times 32:13 Mar 15 '72

Unified logistics--an unholy alliance? LtCol Graham W. Rider. charts AF Mag 55:48-51 Mar '72

UNIFIED COMMANDS

See also specific unified commands, e.g.,  
 Atlantic Command      Readiness Command  
 Pacific Command      Southern Command

UNIFORM CODE OF MILITARY JUSTICE

Against discrimination: Law or policy? Maj Ned E. Felder. illus Army 22:39-40 Jan '72

Comment--Article 15 punishments. Capt Burress M. Carnahan. illus AF JAG L Rev 13:270-286 Fall '71

Military justice--a system for the seventies. LtCol George D. Schrader. illus AU Rev 23:44-49 May-Jun '72

New technique in office hours. (Public hearing for Article 15 cases) Capt M. N. Shahan and Lt Marshall Mead. MarCor Gaz 56:59 Jun '72

Rehearing denied in narcotics case. AF Times 32:11 Feb 9 '72

UNIFORMED SERVICES CONTINGENCY OPTION ACT OF 1953 see Retired Serviceman's Family Protection PlanUNIFORMSAir Force--Great BritainHistory

From the archives--some difficulties over uniforms. E. B. Haslam. Royal Air Forces Qtr 12:37-41 Spring '72

Air Force--U. S.

Blue uniform approved for summertime. AF Times 33:21 Aug 30 '72

Flight nurses get new uniform. illus AF Times 32:8 Feb 16 '72

Gal medics get pantsuits. AF Times 33:22 Nov 22 '72

Pentagon EM stuck in blue suits. AF Times 32:46 Jan 12 '72

Uniform clothing allowances for airmen. TIG Brief 24:7 Oct 13 '72

Uniform poll sent to field. AF Times 32:11 May 10 '72

'U.S.' insignia will drop from long-sleeved shirts. AF Times 32:25 Mar 15 '72

WAF uniforms going through transition period. TIG Brief 24:7-8 Feb 11 '72

Costs

Basic clothing prices to increase. tabs AF Times 32:18 Jun 28 '72

Armed Forces--U. S.Costs

BXs boost uniform prices 9 percent; another hike due. AF Times 33:5 Dec 27 '72

Marine Corps--U. S.

Reflections on Marine dress. Capt C. R. Robinson. MarCor Gaz 56:51-53 Dec '72

UNIT TRAINS see RailroadsUNITED NATIONS

AWC group at UN. AF Times 33:40 Nov 29 '72

Forcible self-help in international law. (Research paper, College of Naval Warfare) CAPT James J. McHugh. Nav War Col Rev 25:61-86 Nov-Dec '72

UNITED NATIONS - Continued

The individual and international law: Some current aspects. (Lecture, Naval War College) Alona E. Evans. illus Nav War Col Rev 24:65-77 Mar '72

Maintaining the status quo (in Cyprus). Capt Len Dent. (Reprinted from Sentinel, April 1971) Royal Air Forces Qtr 12:113-117 Summer '72

The seabed arms control issue 1967-1971: A super-power symbiosis? James A. Barry, Jr. Nav War Col Rev 25:87-101 Nov-Dec '72

Veterans united at the UN Memorial Cemetery (Pusan, Korea). SGM Donald Andrus. Soldiers 27:17 Oct '72

UNITED SERVICE ORGANIZATIONS

Does the all-volunteer Army need a USO? Brooke Nihart. Armed Forces J 109:63-64 Jun '72

USO chief aims blast at congressional critic. AF Times 32:2 May 24 '72

USO completes 30 years of supporting servicemen--work continues to expand. Rosemary Purcell. AF Times 32:24 Feb 2 '72

USO irregularities in Vietnam probed. AF Times 32:4 May 3 '72

UNITED STATES

In official corporate entries United States is usually omitted, e.g., Air Force Academy; however, it is included in names of nonofficial bodies, e.g., United States Armor Association.

Defenses

See Defenses--United States

Economic Conditions

The Defense budget: Does security compete with domestic needs? Seymour Melman. Persp in Def Mgt, pp 7-14, Spring '72

Economic policy in a free society. Carl H. Madden. Persp in Def Mgt, pp 57-66, Autumn '72

Economic realism: Basis for productivity growth. M. P. Venema. illus Def Mgt J 8:7-11 Oct '72

Manpower, natural resources and productivity. F. Ray Marshall. Forum No. 15:1-7 Spring '72

The President's budget. illus Govt Exec 4:33-34 Mar '72

Social needs and national priorities. Leon H. Keyserling. Persp in Def Mgt, pp 39-47, Winter '71-'72

State of the Nation. Leo Cherne. Persp in Def Mgt, pp 1-10, Winter '71-'72

Vietnam's lesson in defence economics. John J. Clark. illus Royal United Svcs Inst for Def Studies J 116:36-40 Dec '71

Economic PolicySee also

Balance of Payments

Economic policy in a free society. Carl H. Madden. Persp in Def Mgt, pp 57-66, Autumn '72

Economic readiness. (Remarks, 54th Annual Meeting, American Ordnance Assoc, Washington, May 11, 1972) Eugene T. Rossides. Ordnance 57:32-35 Jul-Aug '72

Economic realism: Basis for productivity growth. M. P. Venema. illus Def Mgt J 8:7-11 Oct '72

UNITED STATES - ContinuedEconomic Policy - Cont'd

Social needs and national priorities. Leon H. Keyserling. Persp in Def Mgt, pp 39-47, Winter '71-'72

Foreign Economic Relations

Economic policy in a free society. Carl H. Madden. Persp in Def Mgt, pp 57-66, Autumn '72

The Eximbank (Export-Import Bank): A truly supportable enterprise. Earl W. Clark. illus Def Trans J 28:56-61 Mar-Apr '72

The strategic implications of international monetary reform. Thomas W. M. Smith. tab Forum No. 16: 26-48 Fall '72

China--History

Yankees in China ports. LT Ralph Oman. illus US Nav Inst Proc 98:70-81 Oct '72

Foreign Policy

Arms and diplomacy. (Address, Royal Military College, Canberra, Australia, March 14, 1972) MajGen Robert N. Ginsburgh. AF Plcy Ltr for Comdrs: Sup No. 7:6-10 Jul '72

A balance of powers (since WW II). Raymond J. Barrett. illus US Nav Inst Proc 98:18-24 Apr '72

Changing unchangeable: U.S.-China policy. Niu Sien-Chong. NATO's Fifteen Nations 17:58-61 Apr-May '72

Changes in our national security environment. (Remarks, Manufacturing Chemists' Assoc, White Sulphur Springs, WVa, June 8, 1972) Kenneth Rush. AF Plcy Ltr for Comdrs: Sup No. 8:13-18 Aug '72

Congress and presidential conflict: Foreign policy and NATO. Stanley L. Harrison. NATO's Fifteen Nations 17:83-87 Jun-Jul '72

Congress and the President: The current struggle to control national commitments and the war power. William B. Grant. Forum No. 13:1-25 Fall '71

Congress in conflict--enlarging its role in defense and foreign policy. Stanley L. Harrison. illus Mil Rev 52:73-84 Jul '72

Contemporary foreign policy in historical perspective. (Address, Naval War College) Joseph C. Harsch. Nav War Col Rev 25:10-19 Nov-Dec '72

The end of an era (of U.S. supremacy). (Prize Essay 1972, 2d Honorable Mention) CDR Roy Beavers. illus US Nav Inst Proc 98:18-25 Jul '72

Energy resources--an element of national power. Col William B. Haidler. illus AU Rev 23:2-13 Jan-Feb '72

Foreign policy stereotypes: The decision to cross the 38th Parallel. Michael A. Krasner. illus Mil Rev 52:17-26 Oct '72

The future course of world politics, 1972-1987. LCDRs Joseph C. Strasser and Richard H. Wyttenbach. illus Nav War Col Rev 24:16-36 May '72

The growing importance of oil. Maj John A. Berry. illus Mil Rev 52:2-16 Oct '72

Modern realities in naval and foreign affairs. CAPT Howard C. Bucknell III, Ret. illus maps US Nav Inst Proc 98:32-40 Dec '72

UNITED STATES - ContinuedForeign Policy - Cont'd

National power and national security. Paul C. Warnke. Forum No. 15:8-17 Spring '72

The new isolationism. William V. Kennedy. Ordnance 56:469-472 May-Jun '72

No more Vietnams? Willard L. Beaulac. illus US Nav Inst Proc 98:18-25 Nov '72

Okinawa: Ingredients of a decision. Francis X. Ready. Forum No. 14:78-100 Winter '71

PSYOP: What is it? And what should we do about it? Raymond J. Barrett. illus Mil Rev 52:57-72 Mar '72

Quo vadis?--The Nixon doctrine and air power. Col Robert L. Gleason. illus AU Rev 23:45-56 Jul-Aug '72

Relevant power: Putting the salt water back in national strategy. Brooke Nihart. Armed Forces J 109: 28-31 Feb '72

Security implications of President Nixon's Peking trip. Angus M. Fraser. Armed Forces J 109:34-35 Feb '72

Strategic mobility and the Nixon doctrine. Col Rodman C. Rainville. Forum No. 14:102-116 Winter '71

A strategy of flexible response. LtCol Peter F. Witteried. illus Parameters 2:2-16 Spring-Summer '72

The strategy of resolve. David K. Pansius. AU Rev 23:66-73 Sep-Oct '72

The thrust of the Nixon doctrine. Col Richard M. Jennings. illus Mil Rev 52:3-9 Feb '72

The transformation of U.S. foreign policy. Herman S. Wolk. illus AF Mag 55:74-80 Sep '72

U.S. development assistance in the insurgency environment: Gulliver's coming out. (Lecture, Naval War College, 1971?) Allan E. Goodman. illus Nav War Col Rev 24:13-23 Feb '72

U.S. foreign policy: A historical perspective. (Lecture, Naval War College) Frederick H. Hartmann. illus Nav War Col Rev 24:33-40 Mar '72

U.S. military strategy in the 1970s. (Address, Strategic and Defense Studies Centre, Australian National University, Canberra, March 13, 1972) MajGen Robert N. Ginsburgh. AF Plcy Ltr for Comdrs: Sup No. 6:7-16 Jun '72

The view from Capitol Hill. Interview. Barry Goldwater. illus Natl Guardsman 26:2-7 Mar '72

History

Contemporary foreign policy in historical perspective. (Address, Naval War College) Joseph C. Harsch. Nav War Col Rev 25:10-19 Nov-Dec '72

Secretary Stimson and the European War, 1940-1941. F. Gunther Eyck. illus Parameters 2:40-51 Spring-Summer '72

The transformation of U.S. foreign policy. Herman S. Wolk. illus AF Mag 55:74-80 Sep '72

U.S. foreign policy: A historical perspective. (Lecture, Naval War College) Frederick H. Hartmann. illus Nav War Col Rev 24:33-40 Mar '72



UNITED STATES - Continued\*Foreign Relations

- Army support of coalition security. LtCols Zeb B. Bradford, Jr and Frederick J. Brown. illus Mil Rev 52:4-21 May '72
- The new isolationism. William V. Kennedy. Ordnance 56:469-472 May-Jun '72
- No more Vietnams? Willard L. Beaulac. illus US Nav Inst Proc 98:18-25 Nov '72

Africa--History

- Robert F. Stockton; early U.S. naval activities in Africa. CAPT Marvin L. Duke. illus Nav War Col Rev 24:86-94 May '72

Africa, Sub-Saharan

- The fledgling navies of Black Africa. (Research paper, Naval War College) Richard W. Hale. illus Nav War Col Rev 24:42-55 Jun '72

Arab States

- Israel--shock detachment of imperialism and Zionism. Col O. Ivanov. illus Soviet Mil Rev No. 6:48-50 Jun '72

Asia

- East is no longer least. LtCol William V. Kennedy. illus Mil Rev 52:52-56 Mar '72

China--History

- Air transport for China: The early years. William M. Leary, Jr. illus Aerosp Hist 19:32-37 Mar '72

China (People's Republic)

- Changing unchangeable: U.S. - China policy. Niu Sien-Chong. NATO's Fifteen Nations 17:58-61 Apr-May '72

- China: Nuclear dragon. LCDR Scott Allen. illus US Nav Inst Proc 98:43-49 Jun '72

- Communist China and the United States--the first step. LtCol H. G. Summers. illus US Nav Inst Proc 98:54-60 Apr '72

- The eagle and the dragon: Washington-Peking contact has broad naval implications. Lawrence Griswold. illus maps Sea Power 15:28-32 Apr '72

- A new page in Sino-American relations? C. L. Wayper. Royal Air Forces Qtr 11:269-272 Winter '71

- Reserve Capt (Donald A. Nelson) flies to Shanghai, brings TV station for Nixon visit. Capt Robert Penn. AF Times 32:24 Mar 1 '72

- Security implications of President Nixon's Peking trip. Angus M. Fraser. Armed Forces J 109:34-35 Feb '72

China (Republic)

- Taiwan 'pullout' pledged by Nixon. AF Times 32:17 Mar 15 '72

Cuba

- The need for a new U.S. policy toward Cuba in the 1970's. CAPT O. K. Hallam. tabs Forum No. 13: 52-69 Fall '71; Adaptation. Nav War Col Rev 24: 1-15 Mar '72

Cuba--History

- Paramilitary case study--the Bay of Pigs. (Lecture, Naval War College) Lyman B. Kirkpatrick, Jr. Nav War Col Rev 25:32-42 Nov-Dec '72

UNITED STATES - ContinuedForeign Relations - Cont'dEurope

- European security--a United States view. Robert Ellsworth. illus Royal United Svcs Inst for Def Studies J 116:5-12 Dec '71

Europe, Western

- Strategy for tomorrow--America's need for future security in Europe. Stanley L. Harrison. illus Mil Rev 52:57-70 Aug '72

- The United States and the European Community. James Robert Huntley. NATO's Fifteen Nations 17:73-74+ Jun-Jul '72

- U. S. force reductions? The implications for Europe. Maj B. A. Clayton. illus RUSI J for Def Studies 117:55-61 Sep '72

Far East

- Changing unchangeable: U.S. - China policy. Niu Sien-Chong. NATO's Fifteen Nations 17:58-61 Apr-May '72

- Foreign policy stereotypes: The decision to cross the 38th Parallel. Michael A. Krasner. illus Mil Rev 52:17-26 Oct '72

Israel

- Tel Aviv annexationists and their backers. Y. Dmitriyev and V. Ladeikin. illus Soviet Mil Rev No. 2:46-48 Feb '72

Japan

- Japan and U.S. security. Robert E. Ward. Persp in Def Mgt, pp 19-28, Winter '71-'72

- A new page in Sino-American relations? C. L. Wayper. Royal Air Forces Qtr 11:269-272 Winter '71

- Okinawa: Ingredients of a decision. Francis X. Ready. Forum No. 14:78-100 Winter '71

- Okinawa reversion: A study in change. LtGen Gordon M. Graham. illus AU Rev 24:34-41 Nov-Dec '72

- Power in search of purpose. (Japan's future role in the balance of power) Terrell E. S. Arnold. Forum No. 13:70-91 Fall '71

Latin America

- A revitalized MAP for Latin America. Cpl Walter B. Deering. illus Mil Rev 52:69-75 Nov '72

Mexico--History

- Ten days at Veracruz. (Woodrow Wilson's efforts to make a Mexican port safe for Americans, 1914) CAPT Paul B. Ryan, Ret. illus US Nav Inst Proc 98:64-73 Jun '72

- Wings South: The first foreign employment of air power by the United States. (Mexican Punitive Expedition of 1916) Maj James L. Crouch. illus Aerosp Hist 19:27-31 Mar '72

Micronesia

- Confusion in the confetti islands--uncertainty clouds U.S. future in strategic Micronesia. Lawrence Griswold. illus map Sea Power 15:12-17 Nov '72

- Turmoil in paradise: Micronesia at the crossroads. Capt James H. Webb. illus map US Nav Inst Proc 98:26-37 Jul '72

UNITED STATES - ContinuedForeign Relations - Cont'dMiddle East

- The bear on the roof--Soviet power encircles Persian Gulf. Lawrence Griswold. illus map Sea Power 15:20-25 Jun '72
- Strategic power in the Indian Ocean. R.D.M. Furlong. illus map tab Intl Def Rev 5:133-140 Apr '72
- The West and the Middle East. John C. Campbell and Helen Caruso. illus Mil Rev 52:75-83 Oct '72

Russia

- In the interest of peace and security. Col O. Ivanov. Soviet Mil Rev No. 7:48-49 Jul '72
- Reflections on American-Soviet relations. W. Averell Harriman. Persp in Def Mgt, pp 11-17, Winter '71-'72
- The SALT agreement. Interavia 27:700 Jul '72
- The SALT agreements. Editorial. John F. Loosbrock. AF Mag 55:6 Jul '72
- SALT: In a wound, it hurts. Claude Witze. AF Mag 55:13-14 Oct '72
- U.S./USSR space agreement. (Text of the agreement on cooperation in space between the United States and the Union of Soviet Socialist Republics signed in Moscow, May 24, 1972) illus Spacc World I-11-107:4-15 Nov '72

Sweden

- The Swedish view of American diplomacy. (Interview with Jerome H. Holland and Krister Wickman) illus Govt Exec 4:67-68+ Aug '72

Yugoslavia

- Yugoslavia: Yesterday, today and tomorrow. (Adapted from research report, Army War College, 1971) LtCol Redmond V. Forrester. illus map Parameters 1:50-60 Winter '72

History

- America's wars--number of participants, deaths in service and veterans and dependents on the compensation and pension rolls as of June 30, 1971. Tables only. AF Pcly Ltr for Comdrs: Sup No. 2: 26-27 Feb '72
- From Sand Creek to My Lai: Misunderstandings surround military misadventures. William Gardner Bell. illus map Armor pt 1, The Sand Creek massacre. 81:6-12 May-Jun '72; pt 2, The Piegan massacre. 81:22-26 Jul-Aug '72; pt 3, The battle of Wounded Knee. 81:30-35 Sep-Oct '72
- A historian looks at the Army. Russell F. Weigley. illus Mil Rev 52:25-36 Feb '72
- The pacifist legacy. Morton E. Milliken. illus Army 22:33-39 Feb '72
- Patriotism: The self-evident truths. Ed Mason. illus US Nav Inst Proc 98:30-33 Feb '72
- Robert F. Stockton; early U.S. naval activities in Africa. CAPT Marvin L. Duke. illus Nav War Col Rev 24:86-94 May '72
- Ten days at Veracruz. (Woodrow Wilson's efforts to make a Mexican port safe for Americans, 1914) CAPT Paul B. Ryan, Ret. illus US Nav Inst Proc 98:64-73 Jun '72

UNITED STATES - ContinuedPolitics and Government

- The Nixon Administration: What the last four years suggest for tomorrow. illus tab Govt Exec 4:82-85 Oct '72
- The shadow government: Cabinet Department Under Secretaries. Leon Shloss. illus Govt Exec 4:37-42 Mar '72
- State of the Nation. Leo Cherne. Persp in Def Mgt, pp 1-10, Winter '71-'72
- U.S. foreign policy: A historical perspective. (Lecture, Naval War College) Frederick H. Hartmann. illus Nav War Col Rev 24:33-40 Mar '72

Social Conditions

- Defense manpower: A \$40-billion problem. Eli Ginzberg. Persp in Def Mgt, pp 15-24, Spring '72
- Radical currents in political-economic theory. Martin Bronfenbrenner. Persp in Def Mgt, pp 68-76, Autumn '72
- State of the Nation. Leo Cherne. Persp in Def Mgt, pp 1-10, Winter '71-'72
- The structure of American society. Max Lerner. Forum No. 16:14-24 Fall '72

UNITED STATES ARMOR ASSOCIATION

- (Proceedings, 83d Annual Meeting, U.S. Armor Assoc, Fort Knox, Ky, May 18-20, 1972) illus Armor 81:32-62 Jul-Aug '72

UNITED STATES ARMY, EUROPE see Army, EuropeUNITED STATES INFORMATION AGENCY

- PSYOP: What is it? And what should we do about it? Raymond J. Barrett. illus Mil Rev 52:57-72 Mar '72

UNIVERSITIES AND COLLEGESRussia

- The Soviet universities: Dig narrow, dig deep. Susan Jacoby. (Adapted from Change Magazine, Nov 1971) illus AF Mag 55:40-45 Apr '72

United States

- AFers still to attend anti-ROTC schools. AF Times 32:4 Mar 8 '72
- AFROTC quality increases. AF Times 32:1+ May 17 '72
- AFROTC showing signs of increased vitality despite enrollment drop. AF Times 33:2 Nov 15 '72
- Army, Navy ROTC woo the gals. Officer 48:28+ May '72
- Blue-suiters quit hostile campuses. AF Times 32:9 Mar 1 '72
- Campus chaos. Maj Richard H. Esau, Jr. MarCor Gaz 56:37-40 Jun '72
- Civilian colleges get more AFers. AF Times 32:10 Mar 1 '72
- 'College' credit set for tech courses. Bruce Callander. AF Times 32:1+ Mar 29 '72
- The community college: Your place to begin. Col T. J. Saxon, Jr, Ret. MarCor Gaz 56:52-53 Feb '72
- DOD moves to upgrade ROTC on campus. AF Times 33:13 Nov 29 '72

UNIVERSITIES AND COLLEGES - ContinuedUnited States - Cont'd

- Development of a Community College of the Air Force. Col John L. Phipps. USAF Instrs J 9:10-14 Spring '72
- Engineers in the ROTC--1972. illus tabs Mil Engr 64:343-347 Sep-Oct '72
- 1,509 win AFROTC commissions. AF Times 32:47+ May 10 '72
- Getting into college. (Reprinted from Changing Times, May 1972) illus Soldiers 27:14-16 Jul '72
- Graduate program (in business education, Utah College of Business) expands. AF Times 32:9 Jan 12 '72
- Health care jobs up but: Civilian requirements force many veterans to quit field. AF Times 32:10 Mar 29 '72
- Mood quiets on campus--anti-militarism fades. AF Times 32:21 Feb 16 '72
- A Navy without weapons? (Elimination of naval weapons course from the NROTC curriculum) John T. Bonner, Jr. illus US Nav Inst Proc 98:113-115 Feb '72
- ROTC campus trend now "reversing." Officer 48:28 May '72
- ROTC enrollments hit record low, but decline slows. AF Times 33:4 Dec 27 '72
- ROTC instructors sought--30 schools need colonels. AF Times 32:8 Jul 12 '72
- ROTC production poses problems. George Foster. AF Times 32:13 Jan 5 '72
- ROTC's battle and survival at Ohio State. John T. Bonner, Jr. illus Army 22:40-44 Feb '72
- Research in universities. Theos J. Thompson. Ordnance 57:214-216 Nov-Dec '72

UNIVERSITIES AND COLLEGES - ContinuedUnited States - Cont'd

- Student antimilitarism and its impact on national security. LtCol Fred K. Mahaffey. Forum No. 13:26-51 Fall '71
- 10 more (colleges) set for AFROTC. AF Times 32:13 Jan 19 '71
- These troubled times. Regular feature in some issues of National Guardsman
- The university campus: Why military-sponsored research? LtCol Aubrey F. Messing. illus Mil Rev 52:54-62 Dec '72
- Up from 'Mickey Mouse'--military affairs in the curriculum (at Hofstra). Robert Sobel. illus Army 22:18-22 Jan '72

Statistics

- Midshipman and cadet profiles and national norms: A comparison. Charles L. Cochran. illus tabs Nav War Col Rev 24:37-47 May '72

UPP, Robert D.

- Dynamic legislative program of ROA needed for Reserves and Defense. BrigGen Robert D. Upp. por Officer 48:3+ Sep '72
- For strong Reserve Forces. (Inaugural address, ROA National Convention, Bal Harbour, Fla, June 1972) BrigGen Robert D. Upp. por Officer 48:3+ Aug '72
- Presenting "Bob" Upp: New president, 35-year Reservist is west coast attorney, lecturer. por Officer 48:9 Aug '72

URBANIZATION see Cities and TownsUTAH PROJECT

- The Utah project. MSgt Billy J. Koscheski. USAF Instrs J 9:29-32 Winter '71-'72
- Utah project--Air Force training goes civilian. illus AF Mag 55:69-72 Mar '72



V TOL see Airplanes, V/STOL

VACCINES see Immunization and Immunity

### VALUE ENGINEERING

DCAS "sells" and "services" value engineering program. Charles S. Hotchkiss and Salvatore Castiglioni. illus Def Ind Bul 8:24-26 Winter '72

Value engineering. TIG Brief 24:18 Jun 30 '72

Value engineering: An approach to lowest cost, improved long-term profit. Bernard H. Hewitt. illus Def Ind Bul 8:27-28 Winter '72

Value management. Maj Jerome G. Peppers, Jr, Ret. AU Rev 23:64-68 Jan-Feb '72

VEHICLES, REMOTELY PILOTED see Remotely Piloted Vehicles

### VENUS (PLANET)

See also  
Space Flight to Venus

Exploring the secrets of Venus...for 50 minutes. illus Interavia 27:1191 Nov '72

VERTICAL TAKEOFF AND LANDING see Airplanes, V/STOL

### VERTIGO

Effects of increased ambient air pressures on standing steadiness in man. J. A. Adolfson and others. illus tabs Aerosp Med 43:520-524 May '72

Flicker vertigo. David T. Forbes. (Reprinted from U.S. Army Aviation Digest, Dec 1971) MAC Flyer 19:20-23 May '72

Right side up, or upside down? Gene Berta. tabs USA Avn Dig pt 1, 18:32-37 Oct '72; pt 2, 18:30-33 Nov '72; pt 3, 18:30-34 Dec '72

Which way is up. (Vertigo) Maj Bennett G. Owens, Jr. illus USA Avn Dig 18:12-15 Apr '72

### VETERANS

Job info fairs set in Germany. AF Times 32:10 Mar 29 '72

Making room for the jobless veteran. (Interview with Lawrence L. O'Connor) Capt John T. Correll. illus tab AF Mag 55:48-51 Jul '72

Senators probe cemetery racket. AF Times 32:5 Mar 8 '72

TB shows drop among veterans, VA reports. AF Times 33:50 Nov 29 '72

U.S. frets over SEA vets. Larry Carney. AF Times 32:21 Jan 19 '72

VA benefits (for women) equalized. AF Times 33:44 Nov 8 '72

Vet jobs backed by Nixon. AF Times 33:41 Nov 8 '72

(Veterans Construction Job) Clearinghouse seeks jobs for vets in construction. AF Times 32:51 Feb 23 '72

Veterans drug help urged--Senate passes bill. AF Times 33:6 Sep 27 '72

Vets face various deadlines. AF Times 33:13 Sep 13 '72

Vets offered job break--temporary appointments. AF Times 32:26 Mar 15 '72

### VETERANS - Continued

Viet vets to get priority with federal contractors. AF Times 33:8 Nov 15 '72

Vietnam veterans set GI Bill mark. AF Times 33:33 Sep 6 '72

Young vets offered job aid. AF Times 33:43 Aug 16 '72

Your future as a veteran. illus tabs AF Times pt 1, Yes, vets, some do care. Larry Carney. 32:5-6 Oct 13 '71; pt 2, On-duty Transition does help. Bob Schweitz. 32:5-6 Oct 20 '71; pt 3, VA benefits aren't automatic. Bill Drach and Louis Dorsch. 32:42-43 Oct 27 '71; pt 4, GI Bill 'student body' growing. Larry Carney. 32:42-43 Nov 3 '71; pt 5, Vet unemployment dips. Larry Carney. 32:41-42 Nov 10 '71; pt 6, Disability pay confusing. Mel Jones. 32:46-47 Nov 17 '71; pt 7, VA caters to 'new vet.' George Marker. 32:43-44 Nov 24 '71; pt 8, GI home buying gets new life. George Marker. 32:45-46 Dec 1 '71; pt 9, SGLI conversion tips. Bill Kreh. 32:50-51 Dec 8 '71; pt 10, The beneficiary snag. Ruth Chandler. 32:37 Dec 15 '71; pt 11, How 'bout the Reserves. Ed Gates. 32:30-31 Dec 22 '71; pt 12, Dear Congressman. Robert S. Horowitz. 32:29 Dec 29 '71; pt 13, Vet groups fill a void. Tony Hale. 32:31 Jan 5 '72

### Statistics

America's wars--number of participants, deaths in service and veterans and dependents on the compensation and pension rolls as of June 30, 1971. Tables only. AF Plcy Ltr for Comdrs: Sup No. 2: 26-27 Feb '72

Making room for the jobless veteran. (Interview with Lawrence L. O'Connor) Capt John T. Correll. illus tab AF Mag 55:48-51 Jul '72

### VETERANS, DISABLED

Bill would hike disability benefits. AF Times 32:2 Jul 12 '72

Disabled WAF (Capt Claire E. Brou, Ret) gets \$100,000. Bob Horowitz. AF Times 33:1+ Oct 11 '72

Disability raise called too high (by VA). AF Times 32:43 Apr 12 '72

Disability raise expected shortly. Larry Carney. AF Times 32:15 Jun 21 '72

Disability raise still not settled--OK'd by both Houses. AF Times 32:5 Jul 5 '72

Disabled veterans get break on VA insurance. AF Times 33:48 Sep 27 '72

Mobility for physically impaired persons. Joseph L. Mandella and Harry A. Schweikert, Jr. illus Def Trans J 28:63-67 Jul-Aug '72

More veterans' benefits offered in new programs. AF Times 33:10 Aug 16 '72

19 years later, disability upped--Captain (Bernard G. Rieth) wins legal fight. Ed Gates. AF Times 33:8 Aug 9 '72

Nixon signs 10 percent disability raise. AF Times 32:18 Jul 19 '72

Pay hike for disabled seen. AF Times 32:8 Mar 29 '72

VETERANS ADMINISTRATION

Cemetery shift foreseen--VA to take over control. AF Times 32:18 Mar 8 '72

Committee approves wider VA (hospital) care. AF Times 32:5 May 10 '72

Congress wants VA to run cemeteries. Larry Carney. AF Times 32:9 May 24 '72

Disability raise called too high (by VA). AF Times 32:43 Apr 12 '72

Disabled veterans get break on VA insurance. AF Times 33:48 Sep 27 '72

House gives VA cemetery control. AF Times 32:15 Jun 21 '72

A needle in the Arm(y). S.G. Nilwar. illus Army 22:15-17 Jan '72

TB shows drop among veterans, VA reports. AF Times 33:50 Nov 29 '72

VA frets at mail schools--dropouts, false data cited. Larry Carney. AF Times 32:8 Feb 23 '72

VA pushes new GI insurance plan--up to \$15,000 term for vets. AF Times 32:10 May 10 '72

VA raps Congress in drug bill delay. Larry Phillips. AF Times 32:47 Jul 5 '72

Veterans' benefit bills get high priority. tab Armed Forces J 109:42+ Aug '72

Veterans drug help urged--Senate passes bill. AF Times 33:6 Sep 27 '72

Why can't the VA pay GI students on time? Thomas C. Steinhäuser. Armed Forces J 109:34-36 Apr '72

Your future as a veteran. illus tabs AF Times pt 1, Yes, vets, some do care. Larry Carney. 32:5-6 Oct 13 '71; pt 2, On-duty Transition does help. Bob Schweitz. 32:5-6 Oct 20 '71; pt 3, VA benefits aren't automatic. Bill Drach and Louis Dorsch. 32:42-43 Oct 27 '71; pt 4, GI Bill 'student body' growing. Larry Carney. 32:42-43 Nov 3 '71; pt 5, Vet unemployment dips. Larry Carney. 32:41-42 Nov 10 '71; pt 6, Disability pay confusing. Mel Jones. 32:46-47 Nov 17 '71; pt 7, VA caters to 'new vet.' George Marker. 32:43-44 Nov 24 '71; pt 8, GI home buying gets new life. George Marker 32:45-46 Dec 1 '71; pt 9, SGLI conversion tips. Bill Kreh. 32:50-51 Dec 8 '71; pt 10, The beneficiary snag. Ruth Chandler. 32:37 Dec 15 '71; pt 11, How 'bout the Reserves. Ed Gates. 32:30-31 Dec 22 '71; pt 12, Dear Congressman. Robert S. Horowitz. 32:29 Dec 29 '71; pt 13, Vet groups fill a void. Tony Hale. 32:31 Jan 5 '72

VETERANS BENEFITS

Additional NSLI (National Service Life Insurance) offered. AF Times 32:51 Jan 12 '72

Bill would hike disability benefits. AF Times 32:2 Jul 12 '72

Boost urged for Vietnam era GI Bill. AF Times 32:47 Jan 26 '72

Committee approves wider VA (hospital) care. AF Times 32:5 May 10 '72

Disability raise called too high (by VA). AF Times 32:43 Apr 12 '72

Disability raise still not settled--OK'd by both Houses. AF Times 32:5 Jul 5 '72

VETERANS BENEFITS - Continued

Disabled veterans get break on VA insurance. AF Times 33:48 Sep 27 '72

Education Act adds vets' benefits--effective March 1. AF Times 33:46 Dec 13 '72

GI Bill allowance boosted sharply. Larry Carney. AF Times 33:4 Oct 25 '72

GI Bill boost nears. AF Times 32:6 Feb 9 '72

GI Bill increase gains in House. Larry Carney. AF Times 32:1+ Mar 8 '72

Here's a full rundown of new GI Bill benefits. AF Times 33:55 Nov 8 '72

House OKs insurance expansion. AF Times 32:2 May 31 '72

House panel OKs vets' insurance. AF Times 32:22 May 17 '72

House votes raise in school payments. AF Times 32:10 Mar 22 '72

Increased payments (under GI Bill recommended). MarCor Gaz 56:7 Jan '72

Liberal GI Bill boost approved by Senate. Larry Carney. AF Times 33:4 Aug 16 '72

Many kin o'seas due school aid. AF Times 33:44 Dec 13 '72

More for you--retiree/veterans benefits. Sgtl C D. Mallicoat. illus tabs Soldiers 27:30-33 Dec '72

More veterans' benefits offered in new programs. AF Times 33:10 Aug 16 '72

Most service extras remain despite members' gripes. Ed Gates. AF Times 32:13 Apr 19 '72

1971 veterans' legislation provides greater benefits. AF Times 32:22 Jan 19 '72

Nixon signs 10 percent disability raise. AF Times 32:18 Jul 19 '72

Pay hike for disabled seen. AF Times 32:8 Mar 29 '72

Senate unit OKs GI Bill increase. Larry Carney. AF Times 32:1+ Jul 5 '72

Stennis eyes benefits cut. Bob Horowitz. AF Times 32:1+ Feb 23 '72

'Upgraded' discharge proves hard to get. tab AF Times 32:1+ Apr 26 '72

VA benefits (for women) equalized. AF Times 33:44 Nov 8 '72

VA pushes new GI insurance plan--up to \$15,000 term for vets. AF Times 32:10 May 10 '72

VA reminders--kin failing to claim benefits. AF Times 33:22 Nov 15 '72

Veterans' benefit bills get high priority. tab Armed Forces J 109:42+ Aug '72

Vietnam veterans set GI Bill mark. AF Times 33:33 Sep 6 '72

Why can't the VA pay GI students on time? Thomas C. Steinhäuser. Armed Forces J 109:34-36 Apr '72

Widows and students hopeful (for bills benefitting retirees and veterans). Armed Forces J 110:12 Sep '72

VETERANS BENEFITS - Continued

Windfall of service. (VA benefits) William G. Eddowes. illus Soldiers 27:17 Mar '72

Wives get job stipend. AF Times 33:18 Dec 20 '72

Your future as a veteran. illus tabs AF Times pt 1, Yes, vets, some do care. Larry Carney. 32:5-6 Oct 13 '71; pt 2, On-duty Transition does help. Bob Schweitz. 32:5-6 Oct 20 '71; pt 3, VA benefits aren't automatic. Bill Drach and Louis Dorsch. 32:42-43 Oct 27 '71; pt 4, GI Bill 'student body' growing. Larry Carney. 32:42-43 Nov 3 '71; pt 5, Vet unemployment dips. Larry Carney. 32:41-42 Nov 10 '71; pt 6, Disability pay confusing. Mel Jones. 32:46-47 Nov 17 '71; pt 7, VA caters to 'new vet.' George Marker. 32:43-44 Nov 24 '71; pt 8, GI home buying gets new life. George Marker. 32:45-46 Dec 1 '71; pt 9, SGLI conversion tips. Bill Kreh. 32:50-51 Dec 8 '71; pt 10, The beneficiary snag. Ruth Chandler. 32:37 Dec 15 '71; pt 11, How 'bout the Reserves. Ed Gates. 32:30-31 Dec 22 '71; pt 12, Dear Congressman. Robert S. Horowitz. 32:29 Dec 29 '71; pt 13, Vet groups fill a void. Tony Hale. 32:31 Jan 5 '72

VETERANS DAY

Veterans united at the UN Memorial Cemetery (Pusan, Korea). SGM Donald Andrus. Soldiers 27:17 Oct '72

VETERANS ORGANIZATIONS

Your future as a veteran. illus tabs AF Times pt 1, Yes, vets, some do care. Larry Carney. 32:5-6 Oct 13 '71; pt 2, On-duty Transition does help. Bob Schweitz. 32:5-6 Oct 20 '71; pt 3, VA benefits aren't automatic. Bill Drach and Louis Dorsch. 32:42-43 Oct 27 '71; pt 4, GI Bill 'student body' growing. Larry Carney. 32:42-43 Nov 3 '71; pt 5, Vet unemployment dips. Larry Carney. 32:41-42 Nov 10 '71; pt 6, Disability pay confusing. Mel Jones. 32:46-47 Nov 17 '71; pt 7, VA caters to 'new vet.' George Marker. 32:43-44 Nov 24 '71; pt 8, GI home buying gets new life. George Marker. 32:45-46 Dec 1 '71; pt 9, SGLI conversion tips. Bill Kreh. 32:50-51 Dec 8 '71; pt 10, The beneficiary snag. Ruth Chandler. 32:37 Dec 15 '71; pt 11, How 'bout the Reserves. Ed Gates. 32:30-31 Dec 22 '71; pt 12, Dear Congressman. Robert S. Horowitz. 32:29 Dec 29 '71; pt 13, Vet groups fill a void. Tony Hale. 32:31 Jan 5 '72

VETERINARY CORPSAir Force

Masters of the mercury (AF veterinarians). Maj Bobby L. Caraway. illus Airman 16:7-9 Mar '72

Woman veterinarian (Capt Catherine Tull) marks first for AF. AF Times 33:42 Oct 11 '72

VIBRATION

Combined effects of noise and vibration on mental performance as a function of time of day. Henry C. Sommer and C. Stanley Harris. illus Aerosp Med 43:479-482 May '72

Further study of combined heat, noise and vibration stress. W.F. Grether and others. illus tabs Aerosp Med 43:641-645 Jun '72

VIETNAMHistory

The Stalingrad airlift: An eyewitness commentary (on "Stalingrad and Dien Bien Phu," by Donald R. Backlund, Aerosp Hist, Summer-Fall 1970). Wolfgang Pickert. Aerosp Hist 18:183-185 Dec '71

VIETNAM (REPUBLIC)

Combat support in wars of national liberation. LtCol Harold D. Gallagher. illus Nav War Col Rev 25:3-18 Sep-Oct '72

VIETNAMESE CONFLICT, 1957-

Are there unauthorized conclusions? (Gen Lavelle affair) Claude Witze. illus AF Mag 55:11-12 Aug '72

Automatic ambush: A second look. Capt Sewall H. Menzel. illus Armor 81:9-11 Sep-Oct '72

Aviation safety in combat--an appraisal of the experiences of Army Aviation unit commanders in RVN. illus tabs USA Avn Dig 18:36-45+ Feb '72

Brutality (of the American military; a Soviet view). Col M. Gusev. illus Soviet Mil Rev No. 9:56-57 Sep '72

Changes in our national security environment. (Remarks, Manufacturing Chemists' Assoc, White Sulphur Springs, WVa, June 8, 1972) Kenneth Rush. AF Pley Ltr for Comdrs: Sup No. 8:13-18 Aug '72

Communist lessons learned. Maj Edward Vallentiny. AU Rev 24:72-76 Nov-Dec '72

A conversation with Gen (William C.) Westmoreland (as broadcast on CBS TV's Face the Nation, Dec 19, 1971) Interview. illus Soldiers 27:5-9 Mar '72

Don't avoid arguing about Vietnam. (Interview with Martin Herz) Officer 48:27+ Oct '72

(Increased military activity in South Vietnam) LtGen Ira C. Eaker, Ret. AF Times 32:13 Mar 1 '72

On basis of pacification, Vietnam War has been won. Col Robert D. Heinl, Jr, Ret. Armed Forces J 109:50-51 Feb '72

The spring offensive in Vietnam. A. H. S. Candlin. Army Qtr 102:411-418 Jul '72

(Tremendous period of change for Army and Armor) (Banquet address, U. S. Armor Assoc, Fort Knox, Ky, May 19, 1972) Gen Bruce Palmer. illus Armor 81:57-59 Jul-Aug '72

Vale Vietnam. LtCol A. E. G. Strong. Army Qtr 102:47-56 Oct '71

Vietnam: What next? The strategy of isolation. Gen Cao Van Vien. illus Mil Rev 52:22-30 Apr '72

War in Vietnam--the myths and the realities. (Address, AFA Convention, Washington, Sep 19, 1972) John McLaughlin. illus AF Mag 55:62-66 Nov '72

What do your medals mean to you? Lee Ewing. AF Times, Family sup:9 Mar 1 '72



VIETNAMESE CONFLICT, 1957- - Continued

Aerial Operations

Americans in the Vietnamese Air Force: The "Dirty Thirty." (Adapted from The Air Force in Southeast Asia: Tactical Airlift) Col Ray L. Bowers. illus Aerosp Hist 19:125-131 Sep '72

Aerial Operations, American

AOK airpower over Khe Sanh. LtCol William H. Greenhalgh, Jr, Ret. illus map Aerosp Hist 19:2-9 Mar '72

The "absolutely essential" bombing. Robert C. Seamans, Jr. (Reprinted from New York Times, Jan 28, 1972) AF Plcy Ltr for Comdrs: Sup No. 4: 31-32 Apr '72

'Ace' race on in SEA skies. AF Times 32:8 May 24 '72

Aces speak out. (Interview with Capt Steve Ritchie and Chuck DeBellevue) Joe Looney. illus AF Times 33:63 Oct 11 '72

Admiral (John S.) McCain (Jr) assesses the war in Southeast Asia. Interview. illus AF Mag 55: 52-53 Sep '72

Air successes (against North Vietnam) hailed--fewer curbs, better weapons. AF Times 32:19 Jun 21 '72

Air war deadlier. AF Times 33:18 Sep 13 '72

The air war in Southeast Asia. CAPT William C. Chapman, Ret. US Nav Inst Proc 98:100-101 Jul '72

The air war in Vietnam. John L. Frisbee. illus map AF Mag 55:48-56+ Sep '72

Airdrop at An Loc. John L. Frisbee. illus tab AF Mag 55:40-42 Nov '72

Airpower: Front and center. Claude Witze. illus AF Mag 55:8-10 Feb '72

Airpower halts an invasion. (Based on interviews with Gens F. C. Weyand, L. D. Clay, Jr, G. W. Johnson, J. R. McGiffert and J. W. Vogt, Jr) Edgar Ulsamer. illus AF Mag 55:60-68+ Sep '72

Army's tank aces. Armed Forces J 109:15-16 Jul '72

Bien Hoa Air Base: Short on toilet paper but long on teamwork. Benjamin F. Schemmer. illus Armed Forces J 109:15-17 Jun '72

The billion dollar save. (In-flight refueling by tankers in Vietnam) illus Sea Power 15:33 Dec '72

The 'bombing campaign' against the dikes: Setting the record straight. Editorial. Sea Power 15:4 Sep '72

Bombing critics criticized. AF Times 32:4 May 17 '72

(Capt Charles B.) DeBellevue bags fifth MIG. Sgt Scoop Hamilton. illus AF Times 33:15 Sep 27 '72

(Capt Jeff) Feinstein's fifth MIG gives AF three aces. illus AF Times 33:51 Nov 1 '72

(Capt Richard (Steve)) Ritchie first ace (in Vietnam). Joe Looney. illus AF Times 33:1+ Sep 13 '72

VIETNAMESE CONFLICT, 1957- - Continued

Aerial Operations, American - Cont'd

Darkness dies screaming. (USAF supply interdiction missions over the Ho Chi Minh trail) map Airman 16:35-37 Oct '72

Debating the future of 'flying tanks.' Lloyd Norman. illus Army 22:18-21 Feb '72

Early pullout in SEA dims following strikes. AF Times 32:20 Jan 12 '72

F-4s rip truck convoy in raid near Quang Tri. AF Times 32:47 Jun 14 '72

F-4s vs MIGs box score update (as of August 1972). Table only. Armed Forces J 110:48 Oct '72

Guardian angels. (Air traffic controllers in Vietnam) Col George P. Kelly. illus USA Avn Dig 18:2-6 Aug '72

How (Capt) Steve Ritchie got his fifth MIG. Capt Sisco Deen. illus AF Mag 55:28-29 Oct '72

Interdiction at night in adverse weather. LtCol Philip B. Hopkins, Jr. USAF TAWC Qtr Rpt 3:4-9+ Jan '72

MIG killers. tab AF Times 33:18 Sep 13 '72

The MIG killers: After seven years of war--aces! Brooke Nihart. illus tabs Armed Forces J 109: 32-35 Jul '72

Mission: Troops in contact--the air war in Southeast Asia. John L. Frisbee. illus AF Mag 55:35-38 Oct '72

Night on the (Ho Chi Minh) Trail. Maj Curtis L. Messex, Ret. illus AF Mag 55:56-60 Jan '72

President's mining order: Military reasons, effects. Col Robert D. Heintz, Jr. Armed Forces J 109:62 Jun '72

Return of the ASCAT (Anti-SAM Combat Assistance Teams). Maj James L. Boone. illus USAF TAWC Rev 3:9-13 Nov '72

Ryan, Lavelle tell details of firing--questions remain. AF Times 32:3 Jun 28 '72

S. Viets 'tested' by new offensive. AF Times 32:4 Apr 19 '72

Sierra Hotel. (Ace Capt Steve Ritchie and Charles DeBellevue) SSgt David K. Cole. illus Airman 16:2-5 Nov '72

Smart bombs and menacing mines--sea-air power takes spotlight as gradualism ends. L. Edgar Prina. illus Sea Power 15:9-12 Jun '72

Soldier or Strangelove? (Lavelle affair) Claude Witze. AF Mag 55:20-22 Nov '72

Southeast Asia air operations. Albert C. Piccirillo. illus Am Avn Hist Soc J pt 1, U. S. Army and USMC tactical air in Thailand. 15:198-199 Fall '70; pt 2, Southeast Asia air operations. 15:268-269 Winter '70; pt 3, Combat air refueling. 16:61-62 Spring '71; pt 4, Special air warfare 16:212-214 Fall '71; pt 5, Wolfpack markings. 17:53-54 Spring '72

The story of 883. (AC-119K crew earns the Mackay Trophy) illus Airman 16:35-36 Jan '72

(TAC Project) 'Red Baron' probes SEA air warfare. AF Times 32:32 Jan 19 '72

## VIETNAMESE CONFLICT, 1957- - Continued

Aerial Operations, American - Cont'd

TAC's global reach helps counter a crisis. Maj B.W. Boshoven. illus AF Mag 55:36-40 Aug '72

Tac Air's responsiveness--the nub of U.S. national strategy. Interview. Gen William W. Momyer. illus AF Mag 55:32-37 Dec '72

Task Force 77 in action off Vietnam. VADM Malcolm W. Cagle. illus map tab US Nav Inst Proc 98:66-109 May '72

Time of the Tigers. (KC-135 refueling missions in SEA) Sgt Dave Cole. illus Airman 16:6-10 Oct '72

Vietnam: From one enormity to another. Vasily Yefremov. Soviet Mil Rev No. 10:59-61 Oct '72

Statistics

Airpower: Front and center. Claude Witze. illus AF Mag 55:8-10 Feb '72

Aerial Operations, Australian

R.A.A.F. "Caribous"--first in and last out of Vietnam. illus Royal Air Forces Qtr 12:133-136 Summer '72

The Royal Australian Air Force marks its golden jubilee. Reg MacDonald. illus tab Aerosp Hist 19:69-76 Jun '72

Aerial Operations, Vietnamese

The AH1G versus enemy tanks at An Loc. (Address, U.S. Armor Assoc, Fort Knox, Ky, May 19, 1972) Maj Jerome R. Daley. illus Armor 81:42-43 Jul-Aug '72

VNAF meets the test. John L. Frisbee. illus AF Mag 55:50-53 Jun '72

Airborne Operations

The Chinook story. Leo Burnett. illus tabs USA Avn Dig 18:8-14 Aug '72

1st Marines awarded PUC (Presidential Unit Citation) for Operation Meade River. illus MarCor Gaz 56:4 Jan '72

Pathfinders: First in--last out. Capt Edward M. Chamberlain. illus Infantry 62:32-35 Jan-Feb '72

Airlift Operations

AOK airpower over Khe Sanh. LtCol William H. Greenhalgh, Jr, Ret. illus map Aerosp Hist 19:2-9 Mar '72

Admiral (John S.) McCain (Jr) assesses the war in Southeast Asia. Interview. illus AF Mag 55:52-53 Sep '72

Aerial resupply for Khe Sanh. Maj Claudius E. Watts III. map illus Mil Rev 52:79-88 Dec '72

Airlift--a balanced view. LtCol Horace E. Wood, Jr. illus AU Rev 23:62-71 May-Jun '72

C-141 airlifts 394 (Vietnamese) War refugees. Maj Larry Means. illus AF Times 32:32 May 31 '72

Last TAS (310th TASq) inactivated after nine SEA years. AF Times 33:16 Nov 22 '72

MAC airlifting missions surge. AF Times 33:62 Aug 9 '72

## VIETNAMESE CONFLICT, 1957- - Continued

Airlift Operations - Cont'd

Military airlift in Southeast Asia. Interview. Gen Jack J. Catton. illus AF Mag 55:47-49 Oct '72

R.A.A.F. "Caribous"--first in and last out of Vietnam. illus Royal Air Forces Qtr 12:133-136 Summer '72

394 refugees flee Pleiku aboard 90-passenger USAF C-141. Maj Larry Means. illus Armed Forces J 109:20 Jun '72

Statistics

Military airlift in Southeast Asia. Interview. Gen Jack J. Catton. illus AF Mag 55:47-49 Oct '72

Allied Forces, American

AFers outnumber soldiers in SEA. AF Times 32:2 Apr 26 '72

AFers sweat impact of heated up war. AF Times 32:1+ May 24 '72

All F-4s in SEA going to Thailand. AF Times 32:3 Jun 28 '72

The American soldier in Vietnam. Capt Barry R. McCaffrey. illus Soldiers 27:46-50 Jul '72

Cuts seen in Guam, Thailand if war ends. Ed Gates. AF Times 33:1+ Nov 8 '72

F-111s return to SEA; AF presence decreased. Ed Gates. AF Times 33:6 Oct 11 '72

(Gen Frederick) Weyand takes Viet command (and (Gen John W. Vogt is named deputy). AF Times 32:3 Jul 12 '72

Hero or liar--the curious case of LtCol Anthony B. Herbert, USA. Lee Ewing. illus AF Times, Family sup:8-13 Apr 19 '72

Last fighter unit leaves Vietnam--VNAF gets 8th SOS jets. AF Times 33:47 Oct 25 '72

The (LtCol Anthony B.) Herbert case and the record. (War crimes allegations and Army findings) Army 22:6-11 Feb '72

More SEA returns loom. AF Times 32:3 Jun 7 '72

Most SEA forces outside Vietnam. AF Times 32:13 Jun 7 '72

Nixon's peace plan leaves AFers in SEA. AF Times 32:3 Feb 9 '72

Ryan sees short stay for TAC, SAC units deployed to war zone. Ed Gates. AF Times 32:1+ May 3 '72

16,000 AFers to remain in (Viet)nam by May. AF Times 32:5 Jan 26 '72

Something dark and bloody. (Court-martial of Col Oran K. Henderson for My Lai) illus AF Times, Family sup:1+ Dec 20 '72

2 F-4 squadrons (58th, 308th TFSqs) sent to Thailand. Ed Gates. AF Times 32:4 May 17 '72

Unit awards (Armor and Cavalry) for service in the Republic of Vietnam (as of 31 March 1972). Armor 81:43-47 Sep-Oct '72

U.S. frets over SEA vets. Larry Carney. AF Times 32:21 Jan 19 '72

U.S. tactics in Vietnam. LtCol Zeb B. Bradford, Jr. illus Mil Rev 52:63-76 Feb '72

## VIETNAMESE CONFLICT, 1957- - Continued

Allied Forces, American - Cont'd

A view from FMF Pac of logistics in the Western Pacific, 1965-1971. Col James B. Soper, Ret. illus US Nav Inst Proc 98:222-239 May '72

Wrapping it up in South Vietnam. LtGen William J. McCaffrey. illus Army 22:57-64 Oct '72

Statistics

Price tag of SEA war surpasses \$100 billion. tab AF Times 33:55 Oct 18 '72

U.S. military personnel in the Republic of Vietnam (1960-1971). Table only. Mil Rev 52:92 May '72

American Participation

Airpower: Front and center. Claude Witze. illus AF Mag 55:8-10 Feb '72

Controlled escalation in Vietnam. Andrew J. Pierre. (Reprinted in part from Foreign Policy, Fall 1971) illus AF Mag 55:50-53 Feb '72

Don't avoid arguing about Vietnam. (Interview with Martin Herz) Officer 48:27+ Oct '72

How long can U.S. stay in SEA? Bruce Callander. AF Times 32:13 May 24 '72

(Increased military activity in South Vietnam) LtGen Ira C. Eaker, Ret. AF Times 32:13 Mar 1 '72

Last muster for the citizens' Army? LT Philip J. Katauskas. illus US Nav Inst Proc 98:61-67 Feb '72

No more Vietnams? Willard L. Beaulac. illus US Nav Inst Proc 98:18-25 Nov '72

The press and the Pentagon Papers. (Remarks preceding panel discussion on "Communications Media," Naval War College, 1971?) Neil Sheehan. illus Nav War Col Rev 24:8-12 Feb '72

Repercussions from the Vietnam mobilization decision. LtCol John D. Bruen. illus Parameters 2: 30-39 Spring-Summer '72

Report on Vietnam. (Remarks, April 26, 1972) Richard M. Nixon. AF Pley Ltr for Comdrs: Sup No. 6:2-6 Jun '72

Senate bill limits use of war force (by President). AF Times 32:5 May 10 '72

U.S. development assistance in the insurgency environment: Gulliver's coming out. (Lecture, Naval War College, 1971?) Allan E. Goodman. illus Nav War Col Rev 24:13-23 Feb '72

Vietnam: From one enormity to another. Vasily Yefremov. Soviet Mil Rev No. 10:59-61 Oct '72

The view from Capitol Hill. Interview. Barry Goldwater. illus Natl Guardsman 26:2-7 Mar '72

Campaigns and Battles

The AH1G versus enemy tanks at An Loc. (Address, U.S. Armor Assoc, Fort Knox, Ky, May 19, 1972) Maj Jerome R. Daley. illus Armor 81:42-43 Jul-Aug '72

Admiral (John S.) McCain (Jr) assesses the war in Southeast Asia. Interview. illus AF Mag 55: 52-53 Sep '72

Aerial resupply for Khe Sanh. Maj Claudius E. Watts III. map illus Mil Rev 52:79-88 Dec '72

## VIETNAMESE CONFLICT, 1957- - Continued

Campaigns and Battles - Cont'd

The air war in Vietnam. John L. Frisbee. illus map AF Mag 55:48-56+ Sep '72

Bien Hoa Air Base: Short on toilet paper but long on teamwork. Benjamin F. Schemmer. illus Armed Forces J 109:15-17 Jun '72

Demon of death. (Fire support surveillance base) LtCol Jack B. Farris, Jr. illus Fld Artilleryman No. 49:59-64 Feb '72

1st Marines awarded PUC (Presidential Unit Citation) for Operation Meade River. illus MarCor Gaz 56:4 Jan '72

Riot control agents in offensive operations. Capt Paul K. Van Riper. illus maps MarCor Gaz 56: 18-23 Apr '72

The road to Laos. LtCol Richard M. Meyer. illus maps Armor 81:18-26 Mar-Apr '72

The Seabees at Dong Xoai: "... A new kind of fighting man." CDR William D. Middleton. illus US Nav Inst Proc 98:30-36 Jan '72

The spring offensive in Vietnam. A. H. S. Candlin. Army Qtr 102:411-418 Jul '72

Task Force 77 in action off Vietnam. VADM Malcolm W. Cagle. illus map tab US Nav Inst Proc 98:66-109 May '72

U.S. tactics in Vietnam. LtCol Zeb B. Bradford, Jr. illus Mil Rev 52:63-76 Feb '72

Vietnam campaigns (fifteen designated for service). MarCor Gaz 56:5 Apr '72

What is past is prologue (in Army communications). Capt Burtis G. Parcels. Signal 26:16-17 Mar '72

When Quang Tri fell--teamwork that won't quit. illus Armed Forces J 109:19 Jun '72

Why North Vietnamese attack failed. LtGen Ira C. Eaker, Ret. AF Times 32:13 Jul 12 '72

Casualties

Air war deadlier. AF Times 33:18 Sep 13 '72

Both Houses pushing for aid to POW/MIA. tab Armed Forces J 109:10 Jul '72

Counseling programs set for POW-MIA families. AF Times 33:10 Nov 22 '72

Grim statistics pervade war in Southeast Asia. AF Times 32:22 May 24 '72

House passes POW/MIA benefit bills. AF Times 32:3 Aug 2 '72

IRS tax ruling may hit some wives of MIAs. AF Times 33:36 Dec 20 '72

In-depth analysis of U.S. casualties (in Vietnam, 1966-71). Table only. Armed Forces J 109:43 Apr '72

Kin of POWs win new paid move (by changes to Joint Travel Regulations). AF Times 33:3 Nov 29 '72

MIA/POW action report. Regular feature in some issues of Air Force Magazine

New Hill moves aid POWs--bills ease families' plight. AF Times 32:15 May 24 '72



## VIETNAMESE CONFLICT, 1957- - Continued

Casualties - Cont'd

- POW/MIA families--where are they going? Lee Ewing. illus AF Times, Family sup:4+ Jul 5 '72
- POW/MIA week: A nation concerned. L. James Binder. illus Army 22:6-8 May '72
- A POW wife in politics--how much company does she have? Lee Ewing. illus AF Times, Family sup: 10-11 Sep 6 '72
- Personal family contact officer program. TIG Brief 24:17 Oct 13 '72
- Prisoners of war/missing in action. TIG Brief 24:1 Oct 13 '72
- SAMSO lawyers take lead in aiding POW-MIA families. AF Times 33:32 Oct 18 '72
- Senate unit approves equal women's bill. AF Times 33:4 Oct 4 '72
- Some (SEA) war widows gain additional pay benefits. AF Times 32:8 Jun 14 '72
- U.S. combat deaths drop 90% as Vietnamization takes hold. James D. Hessman. tabs Armed Forces J 109:42-44 Apr '72
- Viet deaths at 13%. AF Times 33:33 Dec 27 '72
- A Vietnam War issue Americans can unite on: State scholarship aid for POW/MIA children. Thomas C. Steinhauer. illus Armed Forces J 109:52-53 Mar '72

Statistics

- Summary of major military forces (as of 1 January 1972 unless otherwise indicated). LCDR J. B. Finkelstein. Tables only. US Nav Inst Proc 98: 336-337 May '72

Communications-Electronics Applications

- Army communications in Vietnam. MajGen Thomas Matthew Rienzi. illus Signal 26:49-54+ Jun '72
- Force comm(unications) in Vietnam. Maj Blaine D. King. illus MarCor Gaz 56:35-38 Feb '72
- What is past is prologue (in Army communications). Capt Burtis G. Parcels. Signal 26:16-17 Mar '72

Costs

- The high cost of war (in Vietnam). Table only. AF Mag 55:19 Dec '72
- Price tag of SEA war surpasses \$100 billion. tab AF Times 33:55 Oct 18 '72

Economic Aspects

- Communications and today's Army. Gen W. C. Westmoreland. illus Signal 27:6-9 Sep '72
- Vietnam's lesson in defence economics. John J. Clark. illus Royal United Svcs Inst for Def Studies J 116:36-40 Dec '71

Engineering and Construction

- Combat aircraft revetments--a review. Capt Glen E. Brisbane. illus Mil Engr 64:92-94 Mar-Apr '72
- Contractors in the combat zone. Col Warren S. Everett. Ret. chart Mil Engr 64:37-38 Jan-Feb '72

## VIETNAMESE CONFLICT, 1957- - Continued

Engineering and Construction - Cont'd

- Engineers needed at U-Tapao (RTAFB, Thailand). AF Times 33:48 Aug 9 '72
- Rome plow operations. Capt John E. Martin. Fld Artilleryman No. 49:5-8 Feb '72
- Summary of Vietnam construction. illus Mil Engr 64:356-358 Sep-Oct '72
- The task was unprecedented--the story of the DeLong piers. James Zicarelli. illus Def Trans J pt 1, 28:24-29 Mar-Apr '72; pt 2, 28:40-49 May-Jun '72

Equipment

- Arms for guerrilla war. Jac Weller. illus Ordnance 57:208-213 Nov-Dec '72
- Rome plow operations. Capt John E. Martin. Fld Artilleryman No. 49:5-8 Feb '72
- Smart bombs and menacing mines--sea-air power takes spotlight as gradualism ends. L. Edgar Prina. illus Sea Power 15:9-12 Jun '72
- Soviet armor comes to Vietnam--a surprise that needn't have been (after Korea). Bernard F. Halloran. illus Army 22:19-23 Aug '72
- VNAF fleet grows--U.S. speeds plane deliveries as truce seems likely. AF Times 33:5 Nov 22 '72
- Vietnam disposal agency. Capt Thomas M. Amenell. Review 51:21+ Jan-Feb '72
- (Viet)nam logistics planners lauded--equipment waste averted. AF Times 32:5 Feb 16 '72

Maintenance and Repair

- Another Monday morning. (Crew chiefs, SSgt Al Mills and Sgt Charles J. Smoak, at U-Tapeo Airfield, Thailand) Sgt Dave Cole. illus Airman 16:44-47 Sep '72
- Rebuilding repairable Army equipment in the Pacific Theater. MajGen Jack C. Fuson. illus tabs Army Log 4:4-7+ Jan-Feb '72
- A view from FMF Pac of logistics in the Western Pacific, 1965-1971. Col James B. Soper, Ret. illus US Nav Inst Proc 98:222-239 May '72

Logistics

- Combat support in wars of national liberation. LtCol Harold D. Gallagher. illus Nav War Col Rev 25: 3-18 Sep-Oct '72
- Logistics offensive. LtGen Joseph M. Heiser, Jr. Log Spectrum 6:18-20+ Winter '72
- Logistics self-sufficiency (for Vietnamese). Col Thomas J. O'Donohue and Maj Martin N. McGeary, Jr. charts illus Army Log 4:20-23 May-Jun '72
- Logistics: The real measure of Vietnamization. Barry J. Shillito. Govt Exec 4:60 Apr '72
- The task was unprecedented--the story of the DeLong piers. James Zicarelli. illus Def Trans J pt 1, 28:24-29 Mar-Apr '72; pt 2, 28:40-49 May-Jun '72
- Turbine engine supply management. LtCol Kenneth E. Kellogg. USA Avn Dig 18:22-23 Apr '72
- (Viet)nam logistics planners lauded--equipment waste averted. AF Times 32:5 Feb 16 '72

## VIETNAMESE CONFLICT, 1957- - Continued

Logistics - Cont'd

A view from FMF Pac of logistics in the Western Pacific, 1965-1971. Col James B. Soper, Ret. illus US Nav Inst Proc 98:222-239 May '72

Medical and Sanitary Affairs

Doctor and diplomat in the (Mekong) Delta. LtCol Tom Hamrick, Ret. illus Army 22:23-26 Jan '72

Management of rabies exposure of operational air-crews. Royce Moser, Jr. Aerosp Med 43:778-781 Jul '72

Med evac missions make rounds in SEA. Sgt Patrick J. McClain. AF Times 33:49 Sep 6 '72

Naval Operations, American

Floating policeman. Capt V. Koltsov. illus Soviet Mil Rev No. 4:49-50 Apr '72

Navy fights in Vietnam. Sea Power 15:35-36 May '72

The post-Vietnam Navy: The rhetoric and the realities. J. K. Holloway, Jr. illus US Nav Inst Proc 98:52-59 Aug '72

Smart bombs and menacing mines--sea-air power takes spotlight as gradualism ends. L. Edgar Prina. illus Sea Power 15:9-12 Jun '72

Task Force 77 in action off Vietnam. VADM Malcolm W. Cagle. illus map tab US Nav Inst Proc 98:66-109 May '72

Pacification Program

On basis of pacification, Vietnam War has been won. Col Robert D. Heintz, Jr. Ret. Armed Forces J 109:50-51 Feb '72

U Minh pacification withstands current NVA offensive. Maj Gary L. Paxton. illus Infantry 62:44-47 Nov-Dec '72

Peace and Mediation

Cuts seen in Guam, Thailand if war ends. Ed Gates. AF Times 33:1+ Nov 8 '72

Personal Narratives

Down in the North. LtCol Robert D. Priest. illus Airman 16:18-23 Sep '72

Mission: Troops in contact--the air war in Southeast Asia. John L. Frisbee. illus AF Mag 55:35-38 Oct '72

Night on the (Ho Chi Minh) Trail. Maj Curtis L. Messex, Ret. illus AF Mag 55:56-60 Jan '72

Rescue from the Gulf of Tonkin (Sep 24, 1965). Capt James P. Coyne. (Reprinted from Air Force and Space Digest, July 1966) illus AF Mag 55:156-160 Sep '72

Political AspectsSee War--Political AspectsPrisoners of War

Both Houses pushing for aid to POW/MIA. tab Armed Forces J 109:10 Jul '72

Careful welcome planned for POWs. Sue Toma. AF Times 33:17 Nov 29 '72

Counseling programs set for POW-MIA families. AF Times 33:10 Nov 22 '72

## VIETNAMESE CONFLICT, 1957- - Continued

Prisoners of War - Cont'd

DOD preparing for POW return. AF Times 33:3 Nov 15 '72

House passes POW/MIA benefit bills. AF Times 32:3 Aug 2 '72

Kin of POWs win new paid move (by changes to Joint Travel Regulations). AF Times 33:3 Nov 29 '72

MIA/POW action report. Regular feature in some issues of Air Force Magazine

New Hill moves aid POWs--bills ease families' plight. AF Times 32:15 May 24 '72

POW/MIA families--where are they going? Lee Ewing. illus AF Times, Family sup:4+ Jul 5 '72

POW/MIA week: A nation concerned. L. James Binder. illus Army 22:6-8 May '72

A POW wife in politics--how much company does she have? Lee Ewing. illus AF Times, Family sup: 10-11 Sep 6 '72

POWs return. LtGen Ira C. Eaker, Ret. AF Times 33:13 Oct 25 '72

Personal family contact officer program. TIG Brief 24:17 Oct 13 '72

Plans for POW return: 'Comprehensive, under constant review.' Armed Forces J 109:17 Jan '72

Prisoner medal rejected as damaging to morale. AF Times 33:2 Dec 13 '72

Prisoners of war/missing in action. TIG Brief 24:1 Oct 13 '72

SAMSO lawyers take lead in aiding POW-MIA families. AF Times 33:32 Oct 18 '72

Senate unit approves equal women's bill. AF Times 33:4 Oct 4 '72

A Vietnam War issue Americans can unite on: State scholarship aid for POW/MIA children. Thomas C. Steinhauser. illus Armed Forces J 109:52-53 Mar '72

Protests, Demonstrations, etc Against

Security tighter (in Pentagon) after blast. AF Times 32:17 Jun 7 '72

Student antimilitarism and its impact on national security. LtCol Fred K. Mahaffey. Forum No. 13:26-51 Fall '71

Psychological Aspects

The will to win. LtCol David D. Field, Ret. Review 52:23+ Jul-Aug '72

Public Opinion

Bombing critics criticized. AF Times 32:4 May 17 '72

Don't avoid arguing about Vietnam. (Interview with Martin Herz) Officer 48:27+ Oct '72

Hero or liar--the curious case of LtCol Anthony B. Herbert, USA. Lee Ewing. illus AF Times, Family sup:8-13 Apr 19 '72

The (LtCol Anthony B.) Herbert case and the record. (War crimes allegations and Army findings) Army 22:6-11 Feb '72

## VIETNAMESE CONFLICT, 1957- - Continued

Public Opinion

The media and the Armed Services. MajGen D. W. Scott-Barrett. illus Mil Rev 52:62-76 Apr '72

Student antimilitarism and its impact on national security. LtCol Fred K. Mahaffey. Forum No. 13:26-51 Fall '71

Reconnaissance Operations

Compromise! Compromise! Compromise! (Communications security during tactical operations) Maj Eugene H. Grayson, Jr. illus USA Avn Dig 18:16-17+ May '72

Developments in U.S. military reconnaissance. illus Interavia 27:373-375 Apr '72

Electronic reconnaissance in Vietnam. illus Intl Def Rev 5:358-362 Aug '72

VMCJ (Marine Composite Reconnaissance Squadron). LtCol P. A. Manning. illus MarCor Gaz 56:40-43 Oct '72

Refugees

C-141 airlifts 394 (Vietnamese) War refugees. Maj Larry Means. illus AF Times 32:32 May 31 '72

394 refugees flee Pleiku aboard 90-passenger USAF C-141. Maj Larry Means. illus Armed Forces J 109:20 Jun '72

Riverine Operations

Aquabush. Capt Gerald W. Johnson. illus Infantry 62:50-53 Jan-Feb '72

Search and Rescue Operations

Air rescue in Southeast Asia--right from Hanoi's own backyard. Edgar Ulsamer. illus AF Mag 55:30-34 Oct '72

Down in the North. LtCol Robert D. Priest. illus Airman 16:18-23 Sep '72

Extraction without a landing zone. Capt Carleton P. Vencill. illus USA Avn Dig 18:18-21+ Apr '72

Flyer (Capt Roger C. Locher) rescued after 23-day ordeal--task force ventures north of Hanoi. SSgt Tom Merchant. AF Times 32:19 Jun 28 '72

Little Pedro: The copter (HH-43) that could. illus AF Times 32:51 Jan 19 '72

Mistress of fate. (Maj Travis Wofford earns the Cheney Award) Sgt Dave Cole. illus Airman 16:44-47 Jul '72

Rescue from the Gulf of Tonkin (Sep 24, 1965). Capt James P. Coyne. (Reprinted from Air Force and Space Digest, July 1966) illus AF Mag 55:156-160 Sep '72

Statistics

AF strength stays up despite Viet drawdown. AF Times 33:8 Aug 30 '72

F-4s vs MIGs box score update (as of August 1972). Table only. Armed Forces J 110:48 Oct '72

Grim statistics pervade war in Southeast Asia. AF Times 32:22 May 24 '72

In-depth analysis of U.S. casualties (in Vietnam, 1966-71). Table only. Armed Forces J 109:43 Apr '72

MIG killers. tab AF Times 33:18 Sep 13 '72

## VIETNAMESE CONFLICT, 1957- - Continued

Statistics - Cont'd

U.S. combat deaths drop 90% as Vietnamization takes hold. James D. Hessman. tabs Armed Forces J 109:42-44 Apr '72

VNAF meets the test. John L. Frisbee. illus AF Mag 55:50-53 Jun '72

Strategy

Admiral (John S.) McCain (Jr) assesses the war in Southeast Asia. Interview. illus AF Mag 55:52-53 Sep '72

Another helicopter concept. LtCol James Angeles, Ret. illus USA Avn Dig 18:24-27 Apr '72

A bargain basement alternative to the McNamara Line: Automatic ambush. LtCol Grail L. Brookshire. illus Infantry 62:9-11 Jul-Aug '72

Controlled escalation in Vietnam. Andrew J. Pierre. (Reprinted in part from Foreign Policy, Fall 1971) illus AF Mag 55:50-53 Feb '72

Graduated response and the lessons of Vietnam. Raymond J. Barrett. illus Mil Rev 52:80-91 May '72

Initiative in the Vietnam War. Col Do Ngoc Nhan. illus Mil Rev 52:77-86 Aug '72

President's mining order: Military reasons, effects. Col Robert D. Heintz, Jr. Armed Forces J 109:62 Jun '72

Prime tactical lessons of the Vietnam War--three innovations. LtCol John R. Galvin. illus Army 22:16-20 Mar '72

Report on Vietnam. (Remarks, April 26, 1972) Richard M. Nixon. AF Pley Ltr for Comdrs: Sup No. 6:2-6 Jun '72

Smart bombs and menacing mines--sea-air power takes spotlight as gradualism ends. L. Edgar Prina. illus Sea Power 15:9-12 Jun '72

Task Force 77 in action off Vietnam. VADM Malcolm W. Cagle. illus map tab US Nav Inst Proc 98:66-109 May '72

U.S. tactics in Vietnam. LtCol Zeb B. Bradford, Jr. illus Mil Rev 52:63-76 Feb '72

Vietnam: What next? The strategy of isolation. Gen Cao Van Vien. illus Mil Rev 52:22-30 Apr '72

What Rand hath wrought. Colin S. Gray. (Reprinted from Foreign Policy, Fall 1971) Mil Rev 52:22-33 May '72

Why were we so (strategically) wrong? Bernard Brodie. (Reprinted from Foreign Policy, Winter 1971-72) Mil Rev 52:40-46 Jun '72

Troop Withdrawal

AFers outnumber soldiers in SEA. AF Times 32:2 Apr 26 '72

All F-4s in SEA going to Thailand. AF Times 32:3 Jun 28 '72

Cuts seen in Guam, Thailand if war ends. Ed Gates. AF Times 33:1+ Nov 8 '72

Defense forces decline. AF Times 32:15 May 10 '72

Drawdown supply management. Capt Joseph A. Malcom and Gilbert A. Frisbee. illus Army Log 4:22-23+ Nov-Dec '72



## VIETNAMESE CONFLICT, 1957- - Continued

Troop Withdrawal

- Early pullout in SEA dims following strikes. AF Times 32:20 Jan 12 '72
- (Increased military activity in South Vietnam) LtGen Ira C. Eaker, Ret. AF Times 32:13 Mar 1 '72
- More units inactivated in Vietnam. AF Times 32:40 Mar 15 '72
- Nixon's peace plan leaves AFers in SEA. AF Times 32:3 Feb 9 '72
- One-move rule waived for war-related PCS. AF Times 33:2 Aug 30 '72
- Shuffles seen as war ends. AF Times 33:10 Nov 22 '72
- 16,000 AFers to remain in (Viet)nam by May. AF Times 32:5 Jan 26 '72
- Vietnam: From one enormity to another. Vasily Yefremov. Soviet Mil Rev No. 10:59-61 Oct '72
- (Viet)nam logistics planners lauded--equipment waste averted. AF Times 32:5 Feb 16 '72
- Wrapping it up in South Vietnam. LtGen William J. McCaffrey. illus Army 22:57-64 Oct '72

Vietnamization

- AF cut to 3 (Viet)nam bases with Phan Rang (AB) turnover. AF Times 32:6 Feb 23 '72
- The Air Force and national security. (Address, Jacksonville Chamber of Commerce Dinner, Little Rock AFB, Ark, Dec 10, 1971) Gen John C. Meyer. AF Plcy Ltr for Comdrs: Sup No. 2:28-32 Feb '72
- Air Force appropriations request, FY-73. (Statement to Senate Committee on Appropriations, Feb 16, 1972) Robert C. Seamans, Jr. illus tabs AF Plcy Ltr for Comdrs: Sup No. 4:2-28 Apr '72
- The air war in Vietnam. John L. Frisbee. illus map AF Mag 55:48-56+ Sep '72
- Army communications in Vietnam. MajGen Thomas Matthew Rienzi. illus Signal 26:49-54+ Jun '72
- Bien Hoa Air Base: Short on toilet paper but long on teamwork. Benjamin F. Schemmer. illus Armed Forces J 109:15-17 Jun '72
- Last fighter unit leaves Vietnam--VNAF gets 8th SOS jets. AF Times 33:47 Oct 25 '72
- Logistics self-sufficiency (for Vietnamese). Col Thomas J. O'Donohue and Maj Martin N. McGeary, Jr. charts illus Army Log 4:20-23 May-Jun '72
- Logistics: The real measure of Vietnamization. Barry J. Shillito. Govt Exec 4:60 Apr '72
- 900-plane VNAF keeps growing. illus AF Times 32:23 Jan 26 '72
- S. Viets 'tested' by new offensive. AF Times 32:4 Apr 19 '72
- A time to teach, a time to learn. (Air Force advisors to the RVNAF) Sgt Dave Cole. illus Airman 16:2-7 Aug '72
- U Minh pacification withstands current NVA offensive. Maj Gary L. Paxton. illus Infantry 62:44-47 Nov-Dec '72
- U.S.-ARVN engineer training. Maj Robert W. Whitehead. Mil Engr 64:95 Mar-Apr '72

## VIETNAMESE CONFLICT, 1957- - Continued

Vietnamization - Cont'd

- U.S. combat deaths drop 90% as Vietnamization takes hold. James D. Hessman. tabs Armed Forces J 109:42-44 Apr '72
- VNAF fleet grows--U.S. speeds plane deliveries as truce seems likely. AF Times 33:5 Nov 22 '72
- VNAF meets the test. John L. Frisbee. illus AF Mag 55:50-53 Jun '72
- Vietnamization: Impossible dream? Bruce Callander. AF Times 32:1+ Jan 26 '72
- The vital element in Vietnamization: RVNAF training. Jac Weller. illus Mil Rev 52:35-49 Oct '72
- Wrapping it up in South Vietnam. LtGen William J. McCaffrey. illus Army 22:57-64 Oct '72

War Criminals

- Yamashita, Nuremberg and Vietnam: Command responsibility reappraised. LtCol Franklin A. Hart. Nav War Col Rev 25:19-36 Sep-Oct '72

VIETNAMIZATION see Vietnamese Conflict, 1957-  
--Vietnamization

VIOLENCE

- Brutality (of the American military; a Soviet view). Col M. Gusev. illus Soviet Mil Rev No. 9:56-57 Sep '72
- The development process and stability operations. Raymond J. Barrett. illus Mil Rev 52:58-68 Nov '72
- Towards a logical outlook on war. (Andover Prize Essay, 1972) LtCol Berhanu. illus Hawk No. 33: 21-27 Feb '72
- Violence as a political weapon. Maurice Latey. illus NATO's Fifteen Nations 16:65-71 Dec '71-Jan '72
- Violence in a free society. Lloyd N. Cutler. Persp in Def Mgt, pp 25-34, Spring '72

VISUAL AIDS see Audio-Visual Aids

VISUAL FLYING

- Chop, drop, and plop. (Non-precision approach) illus tabs MAC Flyer 19:3-7 Aug '72
- How far can you see? illus Aerosp Safety 28:15 Jan '72
- In flight line of sight. Capt John W. Louer. Combat Crew 23:16 Mar '72
- It ain't necessarily so. (Vertical illusion) illus USA Avn Dig 18:56-59 Jul '72
- Poor man's VASI. (Adapted from Aerospace Safety, Oct 1970) illus MAC Flyer 19:6-7 May '72
- See it like it is. (REPCON, rain REpellant and surface CONDITIONER) illus Aerosp Safety 28:12-13 Feb '72
- Seeing is deceiving. (Adapted from Interceptor, Dec 1970) illus Interceptor 14:8-12 Oct '72
- Stage II--what is it? Col Glenn V. Thomas. illus TAC Attack 12:8-9 May '72

VOGT, John W., Jr

- Airpower halts an invasion. (Based on interviews with Gens F. C. Weyand, L. D. Clay, Jr, G. W. Johnson, J. R. McGiffert and J. W. Vogt, Jr) Edgar Ulsamer. por AF Mag 55:60-68+ Sep '72

VOGT, John W., Jr - Continued

(Gen Frederick) Weyand takes Viet command (and Gen John W. Vogt is named deputy). AF Times 32:3 Jul 12 '72

John Vogt: Unique path to top. Ed Gates. por AF Times 32:13 May 3 '72

New Seventh Air Force commander. (Gen John W. Vogt, Jr; Gen John D. Lavelle retires) por AF Mag 55:32 May '72

VOLPE, John A.

John Volpe revisited--successes and setbacks--and undiminished optimism. Interview. por Govt Exec 4:37-38+ May '72

Transpo 72--behind the scenes at transportation's most exciting show. John A. Volpe. por Def Trans J 28:20-24 Jan-Feb '72

Transportation and the environment--can we have both? John A. Volpe. illus Mil Engr 64:312-314 Sep-Oct '72

VOLUNTEER FORCES (PROPOSED)

All-vol outlook--\$40,000 a year pay for doctors? AF Times 32:11 Jul 26 '72

All-vol report filed in House. Bob Horowitz. AF Times 32:1+ Jun 21 '72

The all-volunteer armed force--its feasibility and implications. Col Jack R. Butler. illus Parameters 2:17-29 Spring-Summer '72

An all-volunteer Army: A dialog. illus Mil Rev pt 1, The dangers of an all-volunteer Army. David Syrett and Richard H. Kohn. 52:70-74; pt 2, Another view of an all-volunteer Army. LtCol Harry G. Summers, Jr. 52:75-79 Jun '72

The all volunteer force. (Address, American Society of Military Comptrollers National Symposium, Bolling AFB, DC, May 17, 1972) George A. Daoust, Jr. illus Armed Forces Compt 17:35-37 Summer '72

The all-volunteer force: Why not? LTJG T. D. Kelley. illus US Nav Inst Proc 98:37-43 Mar '72

An all-volunteer National Guard. Col Warren K. Wells Natl Guardsman 26:22-23 Mar '72

Allies or hirelings? Col Waller B. Booth, Ret. illus Army 22:43-47 May '72

American ground power after Vietnam. LtCol Zeb B. Bradford, Jr. illus Mil Rev 52:4-13 Apr '72

The Army: Where are we going? Robert F. Froehlke. Persp in Def Mgt, pp 39-45, Autumn '72

The big push to man Army of volunteers. MajGen John Q. Henion. illus Army 22:96-99 Oct '72

Brainstorming the all-volunteer force: Defense experts see the same problems you do, and their solutions aren't any better. Margaret Eastman. AF Times, Family sup:14 Aug 2 '72

Building a "new" Army: Results begin to show. (Reprinted from U.S. News & World Report, March 6, 1972) illus Soldiers 27:32-33 Apr '72

'Cautious optimism' about the volunteer force. Interview. BrigGen Conrad S. Allman. illus AF Mag 55:56-59 Aug '72

VOLUNTEER FORCES (PROPOSED) - Continued

The challenge of change. Gen Bruce Palmer, Jr. illus Army 22:20-23 Oct '72

The decline of the mass Army. (Adapted from address, Inter-University Seminar on Armed Forces and Society Conference, Chicago, Nov 18-20, 1971) Morris Janowitz. illus Mil Rev 52:10-16 Feb '72

The descending spiral of amilitarism. Col Richard F. Rosser. illus AF Mag 55:64-69 Jun '72

Does the all-volunteer Army need a USO? Brooke Nihart. Armed Forces J 109:63-64 Jun '72

End of draft means high budget. Bob Schweitz. AF Times 32:13 Feb 9 '72

The focus in 1972 is on people. LtGen Walter T. Kerwin, Jr. illus Army 22:89-93 Oct '72

Just follow the rainbow toward the Army of tomorrow. (SSgt William Slease directs Modern Volunteer Army Office in the Pentagon) MSgt Jack Holden. illus Soldiers 27:37-41 Mar '72

Last muster for the citizens' Army? LT Philip J. Katauskas. illus US Nav Inst Proc 98:61-67 Feb '72

Manpower and defense: How much is enough? How much is good enough? Interview. Roger T. Kelley. illus Govt Exec 4:79-80+ Apr '72

Meeting the challenge of coalition security. LtCols Zeb B. Bradford, Jr and Frederic J. Brown. illus Mil Rev 52:4-19 Jun '72

Military principles and flexibilities: A responsive policy for change. LtCol Russell A. Turner II. AU Rev 23:76-80 Jul-Aug '72

Modern Volunteer Army (MVA). 1stLt Jonathan H. Fussner. illus Fld Artilleryman No. 49:65-71 Feb '72

The Modern Volunteer Army (MVA): A product of junior officers. 2dLt Carl G. Schott. illus Infantry 62:6-8 Jul-Aug '72

New selection, retention methods studied by Army. Interview. LtGen George I. Forsythe. Armed Forces J 109:16-17 Feb '72

The obligation to serve. Curtis W. Tarr. AU Rev 23: 2-11 Jul-Aug '72

Recruiting in an all-volunteer environment. (Address, Armed Services Committee, Spokane Chamber of Commerce, and Spokane Chapter, Air Force Assoc, Spokane, Aug 31, 1972) BrigGen Conrad S. Allman. AF Plcy Ltr for Comdrs: Sup No. 10:13-16 Oct '72

Revitalizing Reserves. (Excerpts from Defense Posture Statement) Melvin Laird. illus Officer 48:10-11 Apr '72

Senate committee concerned over all-volunteer force target date. illus Officer 48:14 Sep '72

Services told to set plans in case all-vol force lags. AF Times 33:5 Oct 18 '72

Taming of a paradox; the challenges of a volunteer Army. Augustus Thomas. illus Army 22:10-18 May '72

(USAF) Recruiting Service prepares for Project Volunteer. TIG Brief 24:9-10 Jan 28 '72

Use of short (summer) service to attract the young. Col Douglas W. Hardy. Army 22:51 Mar '72

VOLUNTEER FORCES (PROPOSED) - Continued

The view from Capitol Hill. Interview, Barry Goldwater, illus Natl Guardsman 26:2-7 Mar '72

Volunteer Armed Forces and military purpose. Morris Janowitz. (Digested from Foreign Affairs, April 1972) Mil Rev 52:15-22 Jul '72

A volunteer Army cannot be recruited "on the cheap." illus Armed Forces J 109:44-46 Jun '72

A volunteer draft--an alternative to the draft lottery. Capt Daniel H. Newlon, illus tabs Mil Rev 52:83-89 Feb '72

Volunteer force by June 1973 in doubt--more incentives almost certain to be needed. Thomas C. Steinhäuser, tab Armed Forces J 109:44 May '72

"Well equipped... Guard and Reserve most economical part of... defense." (Excerpts from report to the President and Congress) Melvin R. Laird, illus Officer 48:24+ Dec '72

Why have an all-volunteer force? (Address, Rotary Club, Philadelphia, Dec 1, 1971) Roger T. Kelley, AF Plcy Ltr for Comdrs: Sup No. 3:2-6 Mar '72

Zero draft and the all-volunteer force. (Statement before Special Subcommittee on Selective Service and Volunteer Armed Forces, Senate Armed Services Committee, March 13, 1972) MajGen John W. Roberts, AF Plcy Ltr for Comdrs: Sup No. 6:23-30 Jun '72

VOTING

All-out drive seeks more military voters. AF Times 33:47 Sep 27 '72

All-service battle cry: 'Get out and vote.' AF Times 32:10 Jan 19 '72

VOTING - Continued

Be sure you vote! (State voting information applicable to Armed Forces on active duty) Table only. Airman 16:48-49 May '72

Command responsibilities in the 1972 voting assistance program. TIG Brief 24:1 Jun 16 '72

Data gathered on voting drive. AF Times 33:4 Nov 22 '72

Details on 5 state primaries. AF Times 32:40 Feb 16 '72

The Federal Voting Assistance Program. TIG Brief 24:20 Feb 25 '72

14 state primaries detailed--elections start June 13. AF Times 32:44+ Mar 29 '72

Hey, airman, you can't vote. Bruce Callander, AF Times 32:13 Jun 7 '72

Primaries in five states. AF Times 32:46 Apr 12 '72

State primaries. AF Times 32:45-46 Mar 15 '72

State primaries: Continuing report. AF Times 32:40 Feb 23 '72

Vote--it's your right and responsibility. TIG Brief 24:11-12 Jun 2 '72

Voting data given for 8 states--more reports to follow. AF Times 32:36 Feb 9 '72

Voting information on candidates. TIG Brief 24:5 Sep 29 '72

Where the candidates stand on defense. Claude Witze, illus AF Mag 55:50-51 Oct '72

Your vote is the one that counts. Capt James Johnson, illus Airman 16:14-17 Oct '72

Youthful voters alerted. AF Times 33:10 Sep 13 '72



WAC see Women in the Army

WAF see Women in the Air Force

WAPS see Weighted Airman Promotion System

WASP see Women in the Air Force--U. S.

WAVES see Women in the Navy

WADE, Horace M.

(Gen Horace M.) Wade named to no. 2 job (AF Vice Chief of Staff). por AF Times 32:4 Mar 29 '72

WAKE TURBULENCE see Turbulence

## WAR

See also specific wars by name, e. g.,

Arab-Israeli Conflict, 1967-

Civil War--U. S.

Crimean War, 1853-1856

French and Indian War, 1755-1763

India-Pakistan War, 1971

Korean War, 1950-1953

Middle East Crisis, 1967

Napoleonic Wars

Revolutionary War--U. S.

Russo-Japanese War, 1904-1905

Vietnamese Conflict, 1957-

World War I

World War II

The biological background of war--thoughts of a biologist. August Brinkman, Jr. Army Qtr 102:427-437 Jul '72

The gods and the big battalions. Capt I. D. P. Thorne. illus RUSI J for Def Studies 117:58-60 Jun '72

The lessons of an undeclared war. LtGen Masatake Okumiya, Ret. illus tab US Nav Inst Proc 98: 25-31 Dec '72

Of wars and warriors (American style). Vincent Davis. Nav War Col Rev 25:20-31 Nov-Dec '72

Some "actualities" of war. Hugh L'Etang. illus RUSI J for Def Studies 117:64-68 Mar '72; Mil Rev 52:87-95 Aug '72

Towards a logical outlook on war. (Andover Prize Essay, 1972) LtCol Berhanu. illus Hawk No. 33: 21-27 Feb '72

Wars: Their sources and causes. MajGen K. Bochkaryov. Soviet Mil Rev No. 5:8-10 May '72

Winners and losers: A conceptual barrier in our strategic thinking. Ralph E. Strauch. AU Rev 23: 33-44 Jul-Aug '72

### Economic Aspects

See also

Economic Warfare

also subdivision under specific wars, e. g.,  
Vietnamese Conflict, 1957- --Economic Aspects

### Ethical Aspects

A message for military leaders. Gen Bruce K. Holloway. illus Combat Crew 23:4-6 Jan '72

The pacifist legacy. Morton E. Milliken. illus Army 22:33-39 Feb '72

### Laws

See International Law

## WAR - Continued

### Political Aspects

Arms and diplomacy. (Address, Royal Military College, Canberra, Australia, March 14, 1972) MajGen Robert N. Ginsburgh. AF Plcy Ltr for Comdrs: Sup No. 7:6-10 Jul '72

Some aspects of guerrilla warfare--socio-economic, polwar and psywar. Michael Calvert. illus chart RUSI J for Def Studies 117:20-24 Sep '72

### Principles

See Military Art and Science

### Psychological Aspects

Endure! The battle catalyst. MajGen A. S. Newman, Ret. illus Infantry 62:44-48 Mar-Apr '72

Some "actualities" of war. Hugh L'Etang. illus RUSI J for Def Studies 117:64-68 Mar '72; Mil Rev 52:87-95 Aug '72

The will to win. LtCol David D. Field, Ret. Review 52:23+ Jul-Aug '72

### Social Aspects

The pacifist legacy. Morton E. Milliken. illus Army 22:33-39 Feb '72

### Statistics

America's wars--number of participants, deaths in service and veterans and dependents on the compensation and pension rolls as of June 30, 1971. Tables only. AF Plcy Ltr for Comdrs: Sup No. 2: 26-27 Feb '72

## WAR, FUTURE

Give me a tank. LtCol Albert N. Garland, Ret. illus Army 22:29-31 Nov '72

The role of helicopters in conventional warfare. Col DeLyle G. Redmond. illus USA Avn Dig 18:6-9+ Jan '72

Soviet armored warfare. LtCol Daniel K. Malone. illus Ordnance 56:295-299 Jan-Feb '72

T hour plus 2 1/2. (U.S. Forces in Western Europe) Jac Weller. illus Review 51:17-19+ Jan-Feb '72

Toward more credible force planning. LtCol James B. Agnew and others. illus tabs Mil Rev 52:40-51 Mar '72

WAR, LIMITED see Limited War

## WAR AND EMERGENCY POWERS

Congress and presidential conflict: Foreign policy and NATO. Stanley L. Harrison. NATO's Fifteen Nations 17:83-87 Jun-Jul '72

Congress and the President: The current struggle to control national commitments and the war power. William B. Grant. Forum No. 13:1-25 Fall '71

Priorities and allocations in industrial preparedness. Anthony A. Bertsch. illus Def Mgt J 8:46-49+ Oct '72

Senate bill limits use of war force (by President). AF Times 32:5 May 10 '72

## WAR AND TECHNOLOGY

Firepower battlefield. LtCol William L. Hauser. (Reprinted from Military Review, Oct 1971) illus Fld Artilleryman No. 49:75-80 Feb '72

WAR AND TECHNOLOGY - Continued

- Future high command. GpCapt I. M. Pedder. (Condensed from Royal Air Forces Quarterly, Spring 1972 and Summer 1972) Mil Rev 52:14-24 Dec '72
- The helicopter in land battle. Armed Forces J 109: 24-25 Jan '72
- The impact of technology on strategy. VADM J. T. Hayward, Ret. illus US Nav Inst Proc 98:24-30 Sep '72
- Key to the future. (Military and civilian technologies) Charles Stark Draper, illus Ordnance 57:135-137 Sep-Oct '72
- Military leadership at the threshold of the 21st century. GpCapt I. M. Pedder. Royal Air Forces Qtr pt 1, 12:16-21 Spring '72; pt 2, 12:77-84 Summer '72
- Progress in science and technology and military development. Col P. Derevyanko, illus Soviet Mil Rev No. 8:2-5 Aug '72
- Strategic mobility and maritime technology--a challenge for the future. LtGen Walter J. Woolwine, illus Def Trans J 28:31-33 Jul-Aug '72
- Twenty-five years of military history, 1945-1970. John Terraine. Royal United Svcs Inst for Def Studies J 116:13-23 Dec '71

History

- Technology and the military. Stanley Sandler, illus US Nav Inst Proc 98:54-61 Mar '72

WAR GAMES

- Aggressor: A new appraisal of an old enemy. Maj Hal G. Mann, illus Infantry 62:42-44 Jul-Aug '72
- The bears were over the mountain as the Marines landed in Norway. (Exercise Strong Express) John G. Norris, illus Sea Power 15:18-21 Nov '72
- Exercise "Exotic Dancer" (V), illus Natl Guardsman 26:22-25 Jul '72
- Toward more credible force planning. LtCol James B. Agnew and others, illus tabs Mil Rev 52:40-51 Mar '72
- USMC/DOD/V/STOL Exercise (Versatile Warrior) validates AV-8A Harrier goals. Brooke Nihart, illus Armed Forces J 109:52-53 May '72

WAR MEMORIALS see MemorialsWAR POTENTIALChina (People's Republic)

- China: An emerging military superpower. Charles H. Murphy, illus tab AF Mag 55:52-57 Jul '72
- The China factor in the ABM debate: Chronicle of a rationale. Harry E. T. Thayer, tab Forum No. 14: 1-59 Winter '71

Russia

- Air Force may share Navy sea control mission (Melvin R. Laird's 3d annual Dept of Defense report to Congress). L. Edgar Prina, illus Sea Power 15:34-36 Mar '72
- The Allied Command Atlantic submarine challenge. CDR J. O. Naugle, illus NATO's Fifteen Nations 17:62-68 Feb-Mar '72
- Bears in the Med(iterranean). Col Minter L. Wilson, Jr. illus maps NATO's Fifteen Nations 17:49-56 Apr-May '72

WAR POTENTIAL - ContinuedRussia - Cont'd

- The eagle and the dragon: Washington-Peking contact has broad naval implications. Lawrence Griswold, illus maps Sea Power 15:28-32 Apr '72
- Letter from London: Britain implements strong Defence policy and recognises growing Soviet threat. NATO's Fifteen Nations 17:12-15 Jun-Jul '72
- The maritime equation--SACLANT in the 1970s. ADM Charles K. Duncan, illus NATO's Fifteen Nations 17:28-35 Feb-Mar '72
- The security of the southern oceans: Southern Africa, the key. Stewart Menaul, illus NATO's Fifteen Nations 17:40-46 Apr-May '72
- The silent threat. VADM Fred G. Bennett, illus NATO's Fifteen Nations 17:101-108 Feb-Mar '72

United States

- War Reserve Materiel (WRM). TIG Brief 24:3 Oct 27 '72

WAR SOUVENIRS AND TROPHIES

- Combat veterans cautioned on war trophy limitations. AF Times 32:42 Mar 29 '72
- Tough rules govern war trophies. Larry Phillips, AF Times 32:10 Feb 16 '72
- War trophies. TIG Brief 24:14 Mar 24 '72

WAREHOUSES see StorageWARFARE see specific types of warfare, e.g.,

- |                             |                       |
|-----------------------------|-----------------------|
| Air Warfare                 | Land Warfare          |
| Antisubmarine Warfare       | Mine Warfare          |
| Armored Warfare             | Naval Warfare         |
| Chemical-Biological Warfare | Nuclear Warfare       |
| Counterinsurgency           | Psychological Warfare |
| Economic Warfare            | Space Warfare         |
| Electronic Warfare          | Submarine Warfare     |
| Guerrilla Warfare           | Tactical Warfare      |
| Jungle Warfare              |                       |

WARNER, John W.

- An in-depth interview with Secretary Warner: Is next step an exchange of U.S.-Soviet ship visits? por Sea Power 15:27-31 Jul-Aug '72
- New naval leadership--Hon John W. Warner takes the helm as Secretary of the Navy. por biog Ordnance 57:28-29 Jul-Aug '72
- Sailor, Marine, Secretary (of the Navy). por biog Armed Forces J 109:17 May '72
- "The Secretary of the Marine Corps." Interview. John W. Warner. Armed Forces J 110:42 Nov '72
- Warner succeeds Chafee as Secretary (of the Navy). L. Edgar Prina, por Sea Power 15:34-35 May '72
- The winds of change. (John H. Chafee resigns as Secretary of the Navy; John W. Warner appointed to succeed him) illus Govt Exec 4:17 May '72

WARNING DEVICES

- Intrusion detection alarm systems. TIG Brief 24:13 Oct 27 '72
- (Parked Aircraft Security Systems--PASS) illus Signal 27:53 Nov '72

WARNING SYSTEMS

- See also specific types of warning systems, e.g.,  
Ballistic Missile Early Warning System  
Distant Early Warning Systems

WARNING SYSTEMS - Continued

- Command and control improvements on the front burner. Thomas C. Steinhauser. illus Armed Forces J 109:46-47 May '72
- Florida--the key to Switzerland's air defences. illus Interavia 27:713-715 Jul '72
- The gaps in our air defense. Claude Witze. illus map tabs AF Mag 55:33-39 Mar '72
- How vulnerable are USAF military space systems? Interview. Grant L. Hansen. illus AF Mag 55:35-40 Jun '72
- Proximity warning devices versus midair collisions. Capt Lee W. Jurney. illus USA Avn Dig 18:12-13 Jan '72
- (Radar system to detect sea-launched ballistic missiles) Signal 26:120 Jan-Feb '72
- The U.K. Warning and Monitoring Organisation. John Marriott. Armed Forces J 109:24-25 Mar '72

WARNKE, Paul C.

- National power and national security. Paul C. Warnke. Forum No. 15:8-17 Spring '72

WARRANT OFFICERSAir Force

- Administrative separation of Air Force commissioned and warrant officers. TIG Brief 24:9 May 5 '72

- 115 warrant officers selected for promotion. AF Times 32:21 May 10 '72

Army

- Aviation warrant (officer)--a new career pattern. Col Thomas E. Anderson. illus USA Avn Dig 18:3-9+ Jul '72
- Aviation warrant (officer)--where to from here? Capt Michael L. Moran. USA Avn Dig 18:2+ Jul '72
- A point of view. (Career development for aviation warrant officers) CW4 Robert Meade. illus USA Avn Dig 18:6-9 Apr '72
- The staff warrant officer. Capt Warren Domenick. illus USA Avn Dig 18:22-23 Nov '72

Marine Corps

- Screening our WO candidates. Maj F. R. Allen. tabs MarCor Gaz 56:55-56 Oct '72

WARSAW PACT

- See also subdivision under specific subjects, e. g.,  
Armed Forces--Warsaw Pact
- USAFE: Responsibilities, up; defense budgets, down. John L. Frisbee. illus AF Mag 55:35-41 Feb '72
- The Warsaw Pact. London's International Institute for Strategic Studies. illus tabs AF Mag 55:56-58 Dec '72

WARSHIPS

- See also specific types of warships, e. g.,  
Aircraft Carriers  
Aircraft Carriers, Nuclear Powered  
Amphibious Warfare Ships  
Auxiliary Ships  
Cruisers  
Destroyers  
Submarines  
Submarines, Nuclear Powered

WARSHIPS - Continued

- Common purpose--common ship? Comdr Erick Eugene Johnston. illus US Nav Inst Proc 98:25-33 Apr '72

- New naval tactics. CAPT Leon I. Smith, Ret. tab Ordnance 57:222-225 Nov-Dec '72

China (People's Republic)

- Small combatants--1972. Arthur Davidson Baker III. illus tabs US Nav Inst Proc pt 1, Communist, neutral, and NATO North. 98:240-263 May '72

Europe, Western

- A new breed of European missiles. John S. Phillip. illus Aerosp Intl 8:24-30 May-Jun '72

Finland

- Small combatants--1972. Arthur Davidson Baker III. illus tabs US Nav Inst Proc pt 1, Communist, neutral, and NATO North. 98:240-263 May '72

France

- Tactical data handling in the French Navy. illus Intl Def Rev 5:33-36 Feb '72

Great Britain

- A proposal for a new British capital ship. T. R. Philbin. illus tab RUSI J for Def Studies 117:48-51 Jun '72

NATO

- Small combatants--1972. Arthur Davidson Baker III. illus tabs US Nav Inst Proc pt 1, Communist, neutral, and NATO North. 98:240-263 May '72

Russia

- Castration rounds and tattletale ships--big Russian cruisers beefing up carriers. William Beecher. illus Sea Power 15:18-22 May '72
- 'Nanuchka,' new Soviet missile ship, revealed. illus Armed Forces J 109:20 Mar '72

- Small combatants--1972. Arthur Davidson Baker III. illus tabs US Nav Inst Proc pt 1, Communist, neutral, and NATO North. 98:240-263 May '72

Statistics

- Tomorrow's Navy: Fast, powerful, and outnumbered. James D. Hessman. illus Sea Power 15:15-20 Oct '72

Sweden

- Small combatants--1972. Arthur Davidson Baker III. illus tabs US Nav Inst Proc pt 1, Communist, neutral, and NATO North. 98:240-263 May '72

United States

- Castration rounds and tattletale ships--big Russian cruisers beefing up carriers. William Beecher. illus Sea Power 15:18-22 May '72

- The dwindling fleet. Sea Power 15:34-35 Apr '72

- Fix for DE-1052s. Armed Forces J 109:22+ Jan '72

- Instant sea-control ships. Col Robert D. Heintz, Ret. illus US Nav Inst Proc 98:88-90 Sep '72

- The Navy and the effluent society: How do you clean the world's biggest garbage can? T. Raymond Coleman and Bernadine M. Kopec. illus Sea Power 15:18-21 Sep '72



WARSHIPS - ContinuedUnited States - Cont'd

New Defense budget gets naval tilt. L. Edgar Prina. illus tab Sea Power 15:33-34 Feb '72

New ship programs: Trade-off between the present and the future. James D. Hessman. Armed Forces J 109:30-31+ Apr '72

The role of the carrier in the control of the seas. CAPT Stephen T. De La Mater. illus tab US Nav Inst Proc 98:110-125 May '72

Ship acquisition: The lost generation. LCDR Terry L. Johnson. illus US Nav Inst Proc 98:26-32 Nov '72

Tomorrow's Navy: Fast, powerful, and outnumbered. James D. Hessman. illus Sea Power 15:15-20 Oct '72

A United States Navy for the future. Francis W. Shepherd. US Nav Inst Proc 98:102-105 Mar '72

History

"A destroyer named Smith." Robert F. Sumrall. illus tabs US Nav Inst Proc 98:70-81 Jul '72

Destruction of the USS Maine--accident or sabotage? LtCol L. VanLoan Naisawald, Ret. illus US Nav Inst Proc 98:98-100 Feb '72

Proposal for a maritime bicentennial--how do you renovate a heritage? Bernadine M. Kopec. illus Sea Power 15:21-25 Oct '72

The ship that sank from fright (at Pearl Harbor). Maurice Featherman. illus US Nav Inst Proc 98:84-86 Dec '72

The sloop-of-war Ganges. Homer C. Votaw. illus US Nav Inst Proc 98:82-84 Jul '72

Yugoslavia

Small combatants--1972. Arthur Davidson Baker III. illus tabs US Nav Inst Proc pt 1, Communist, neutral, and NATO North. 98:240-263 May '72

WATER

Emergency water supply purification. Anthony van Vliet. illus tab Mil Engr 64:319-321 Sep-Oct '72

Identification of Air Force fish kills. Col Walter W. Melvin, Jr and 1stLt Neil J. Lamb. illus AF Civil Engr 13:27-29 Nov '72

Municipal wastewater reclamation. Maj William B. Willard, Jr. tab Mil Engr 64:101-104 Mar-Apr '72

Progress in desalination methods for military use. Allan S. Hodgson. illus Mil Engr 64:188-190 May-Jun '72

The rational method (for computation of runoff from small watersheds). Capt Charles C. McCloskey III. illus map tabs Mil Engr 64:28-29 Jan-Feb '72

Thermal pollution prediction. Capt Joseph R. Calek. Mil Engr 64:119 Mar-Apr '72

Water conservation. AF Ploy Ltr for Comdrs: Sup No. 12:31-32 Dec '72

Water on distant planets. Vladimir Derpgolts and Gennady Katterfeld. Space World I-8-104:43-45 Aug '72

WATER-BASED AIRPLANES see Seaplanes

WATER POLLUTION see Pollution

WATER SAFETY

Aquatic safety. TIG Brief 24:5-6 Aug 18 '72

WATER SUPPLY

Municipal wastewater reclamation. Maj William B. Willard, Jr. tab Mil Engr 64:101-104 Mar-Apr '72

Raw-water quality. Maj Robert W. Weigand. tab Mil Engr 64:25-27 Jan-Feb '72

What price water? Leon Shloss. illus Govt Exec 4: 65-66 Jul '72

WATERWAYSSee also

Panama Canal  
Suez Canal

America's inland waterways face a bright future. Michel R. Scott. illus Translog 3:18-21 Dec '71-Jan '72

Development of river navigation in Bolivia. RAdm Orlando Roca Castedo. illus US Nav Inst Proc 98:119-122 Jun '72

Funnel to Boston Harbor--the Charles River Dam and Lock. John W. Leslie. map tab Mil Engr 64:266-267 Jul-Aug '72

Linking of Europe by canal. illus map Govt Exec 4:54-55 May '72

Model of the American Falls. Robert Dymont. illus tab Mil Engr 64:87-89 Mar-Apr '72

Obstructive bridge alteration. B. W. Walker. illus Mil Engr 64:391-393 Nov-Dec '72

Stone dikes for river channels. Charles A. Wilkerson. illus tabs Mil Engr 64:96-100 Mar-Apr '72

Maintenance and Repair

Base flooding by seasonal rains solved (at McClellan AFB, Calif). Sam S. Nigro. illus AF Civil Engr 13:16-17+ Nov '72

WEAPON SYSTEMS

'Blow in fast.' Fraser Scott. illus RUSI J for Def Studies 117:44-47 Sep '72

The evolution of revolutionary laser weapons. Forrest M. Mims III. illus AF Mag 55:54-58 Jun '72

A proposal for semi-active guidance. illus tab Interavia 27:1133+ Oct '72

Costs

A defence audit. Brig Fraser Scott. illus Royal United Svcs Inst for Def Studies J 116:31-36 Dec '71

Procurement standards issued by CASB (Cost Accounting Standards Board). Armed Forces J 109:19-20 Feb '72

Maintenance and Repair

IRAN (Inspection and Repair As Necessary) versus IRAP (Inspection and Repair As Programmed). George E. Kammerer. Aerosp Safety 28:16-17 Jun '72

Level of repair--end or means. Richard B. Waina. illus Log Spectrum 6:34-42 Summer '72

Long range maintenance planning. Hugo R. Lopez. illus tabs Log Spectrum 6:16-18+ Fall '72

## WEAPON SYSTEMS - Continued

Reliability

The big trade-offs. LtCol Bart M. Filaseta. illus  
Armor 81:15-20 Jan-Feb '72

Maintainability engineering management. Col Charles  
L. Bachtel, Ret. illus Signal 27:20-22 Nov '72

Study and Teaching

A Navy without weapons? (Elimination of naval  
weapons course from the NROTC curriculum)  
John T. Bonner, Jr. illus US Nav Inst Proc  
98:113-115 Feb '72

Simulation: The bridge between theory and practice.  
Capt Albert R. Amos, Jr. illus Infantry 62:12-15  
Mar-Apr '72

Europe, Western

Crotale (surface-to-air missile system)--looking  
for orders. illus Interavia 27:232 Mar '72

A new breed of European missiles. John S. Phillip.  
illus Aerosp Intl 8:24-30 May-Jun '72

Great Britain

Computers for weapon systems and logistics. LtCol  
G. W. A. Pearce. illus Royal United Svcs Inst for  
Def Studies J 116:52-59 Dec '71

Farnborough '72--equipment and missiles. illus  
Interavia 27:1194-1200 Nov '72

The Vickers 4.5 in Mk 8 naval gun mounting. illus  
Intl Def Rev 5:301-304 Jun '72

NATO

The anti-tank problem. John Marriott. illus tabs  
NATO's Fifteen Nations 17:72-82+ Apr-May '72

The modernization of 2(d) ATAF (Allied Tactical Air  
Force). Maj Wilfried Dallmann. illus NATO's  
Fifteen Nations 16:125-132 Dec '71-Jan '72

Russia

The question of Soviet orbital bombs. Edgar Ulsamer  
AF Mag 55:74-75 Apr '72; Aerosp Intl 8:18-19  
May-Jun '72

Soviet ASW. STCM James C. Bussert. illus tab  
US Nav Inst Proc 98:112-116 Aug '72

Soviet military research. LtGen Arthur G. Trudeau.  
Ordnance 57:130-132 Sep-Oct '72

United States

Aerospace systems and weather. Maj John H. Manley.  
illus AU Rev 24:42-52 Nov-Dec '72

Army weapons, equipment, 1972: Promise and un-  
certainty. Eric C. Ludvigsen. illus Army 22:124-  
126+ Oct '72

A better way. (Studies being conducted by TAWC's  
Tactical Applications Deputate) Lt Col Charles F.  
Jackson and Maj Lemuel G. Lloyd, Jr. illus USAF  
TAWC Rev 3:14-16 Aug '72

Blueprint for acquisition of Army materiel. Gen  
Henry A. Miley, Jr. illus Army Log 4:4-7 Sep-  
Oct '72

Development flexibility and cost discipline. Robert C.  
Seamans, Jr. illus tabs AF Mag 55:46-49 May '72

Educated missiles (HOBOS and Condor). D.A. Smith.  
illus Ordnance 56:384-385 Mar-Apr '72

## WEAPON SYSTEMS - Continued

United States -Cont'd

Eglin's ADTC (Armament Development and Test Cen-  
ter)--business end of the Air Force. Interview.  
MajGen Jewell C. Maxwell. illus AF Mag 55:24-29  
Aug '72

The "flyable" smart bomb--adding another dimension  
to airpower. (Interviews with Cols E. M. Munyon  
and B. K. Partin) Edgar Ulsamer. illus AF Mag  
55:30-35 Aug '72

A gallery of USAF's first line weapon systems.  
Pictorial. AF Mag 55:140-143 May '72

General Purpose Forces down slightly (in FY 73  
budget). Brooke Nihart. Armed Forces J 109:44+  
Mar '72

Kiss off the Dreadnaught. Maj John Baggett and  
others. illus Infantry 62:28-30 Jan-Feb '72

Machines don't fight. Col John T. Burke. illus Army  
22:25-27+ Aug '72

New (missile) armaments (SRAM and SCAD) slated  
on B-52s. AF Times 32:37 Jul 5 '72

New systems, lab discoveries mark AMC's 10th year.  
Gen Henry A. Miley, Jr. illus Army 22:36-39  
Oct '72

'The only forces which have utility.' (Extracts from  
CNO's Posture Statement to the Senate Armed  
Services Committee, Washington, 1972) ADM  
Elmo R. Zumwalt, Jr. Sea Power 15:14-17 Apr '72

A rationale for adequate U.S. aerospace forces. Gen  
John D. Ryan. illus tab AF Mag 55:50-53 May '72

SRAM enters the USAF inventory. J. Philip Geddes.  
illus Interavia 27:614-615 Jun '72

SRAM (Short Range Attack Missile)--the last word in  
defense suppression. Edgar Ulsamer. illus AF  
Mag 55:28-34 Feb '72

Senate favors competition for close air support sys-  
tems. AF Times 32:46 Aug 2 '72

Status report on laser weapons. Interview. John S.  
Foster, Jr. illus AF Mag 55:62-63 Jan '72

Strategic deterrence up 16% to meet continued Soviet  
threat. Brooke Nihart. Armed Forces J 109:45-46  
Mar '72

Strategic options and total force concepts. Interview.  
Gen George S. Brown. illus AF Mag 55:39-44  
May '72

Tac Air's responsiveness--the nub of U.S. national  
strategy. Interview. Gen William W. Momyer.  
illus AF Mag 55:32-37 Dec '72

U. S. strategic weapons programmes review. illus tab  
Interavia 27:1248-1249 Nov '72

Weapons ranges. TIG Brief 24:2 Sep 1 '72

Costs

Balance of security. John S. Foster, Jr. illus Ord-  
nance 57:44-47 Jul-Aug '72

Congressional action on FY 72 major weapons pro-  
grams (in \$-millions). Table only. Armed  
Forces J 109:48-49 Mar '72

Development flexibility and cost discipline. Robert C.  
Seamans, Jr. illus tabs AF Mag 55:46-49 May '72

WEAPON SYSTEMS - ContinuedUnited States - Cont'dCosts - Cont'd

- FY 73 audit trail through the 92d Congress. (Weapons procurement and R&D) Table only. Armed Forces J 110:16-17 Dec '72
- GAO cites higher costs (for 77 weapons systems being developed or produced). AF Times 32:10 Aug 2 '72
- Is the United States paying too much for new weapons? Brooke Nihart. Armed Forces J 109:58-60 Jun '72
- Navy's ADM (Maurice F.) Weisner: "The commander ... needs to be let alone." illus Govt Exec 4:17 Aug '72
- A 'peacetime' defense budget boosts strategic weapons. Eric C. Ludvigsen. illus tabs Army 22:8-11 Mar '72
- Putting the lid on weapons costs. John S. Foster, Jr. Persp in Def Mgt, pp 11-16, Autumn '72
- Transition of acquisition policy leads to development of PIECOST (Probability of Incurring Estimated COST) system. Philip N. Whittaker. illus Def Mgt J 8:25-28 Jul '72

Statistics

- Personnel and active military forces chart. AF Plcy Ltr for Comdrs: Sup No. 3:31 Mar '72
- Summary of active military personnel and forces. Table only. Armed Forces J 109:32 Mar '72; Mil Rev 52:98 Apr '72

WEAPON SYSTEMS MANAGEMENTSee alsoSystems Engineering

- AFSC Procurement Evaluation Panel: New check in defense systems acquisition. MajGen Edmund F. O'Connor. illus Def Mgt J 8:11-16 Apr '72
- Air Force looks forward to return to prototyping. LtGen Otto J. Glasser. illus Def Mgt J 8:14-18+ Jul '72
- Army gets go-ahead for scrubbed down AAH. Brooke Nihart. Armed Forces J 110:14 Dec '72
- Army prototyping philosophy: Improve the acquisition process. MajGen George Sammet, Jr. Def Mgt J 8:7-10+ Jul '72
- Authority within the RAF--centralise or delegate? SqLdr G. Gardner. Royal Air Forces Qtr 12:99-104 Summer '72
- Balance of security. John S. Foster, Jr. illus Ordnance 57:44-47 Jul-Aug '72
- A closer look at the Utility Tactical Transport Aircraft System (UTTAS). illus Govt Exec 4:32-34+ Apr '72
- Comment on the value of time and its effect on defense systems acquisition. John S. Baumgartner. illus Def Mgt J 8:53-56 Jul '72
- Competitive prototyping--a development strategy. Col Delbert H. Strube. illus AU Rev 23:2-11 May-Jun '72
- Complex defense systems require good design teams with less people. Albert Shapero. tabs Def Mgt J 8:34-38 Jul '72

WEAPON SYSTEMS MANAGEMENT - Continued

- Controlling Defense costs. (Address, National Security Industrial Assoc Cost Symposium, Washington, Aug 1972) Kenneth Rush. Signal 27: 15-18 Dec '72
- Cost/Schedule Control Systems Specification (C/SCSS)--implementation through operation. Norman G. Stamp. illus AF Compt 6:21-23 Jan '72
- A defence audit. Brig Fraser Scott. illus Royal United Svcs Inst for Def Studies J 116:31-36 Dec '71
- Development flexibility and cost discipline. Robert C. Seamans, Jr. illus tabs AF Mag 55:46-49 May '72
- GAO looks at DOD weapon system acquisition process--improvement noted but problem areas remain. Elmer B. Staats. illus Def Mgt J 8:71-75 Oct '72
- Improving R&D management through prototyping. David Packard. illus Def Mgt J 8:3-6 Jul '72
- Initial Combat Employment (ICE) and "Seek Eagle" conferences. TIG Brief 24:12 Sep 15 '72
- Level of repair--end or means. Richard B. Waina. illus Log Spectrum 6:34-42 Summer '72
- Long range maintenance planning. Hugo R. Lopez. illus tabs Log Spectrum 6:16-18+ Fall '72
- Maintainability engineering management. Col Charles L. Bachtel, Ret. illus Signal 27:20-22 Nov '72
- New directions in managing technical efforts. (Address, Annual NATO Advisory Group for Aerospace Research and Development, Brussels, Sep 28, 1972) Robert C. Seamans, Jr. AF Plcy Ltr for Comdrs: Sup No. 11:2-12 Nov '72
- Parametric cost estimating aids DOD in systems acquisition decisions. Donald W. Snull. Def Mgt J 8:2-5 Apr '72
- Program management. Gen George S. Brown. illus Ordnance 57:54-58 Jul-Aug '72
- Prototype development. Robert C. Seamans, Jr. illus Ordnance 56:465-467 May-Jun '72
- Prototyping: Attack on the unk unks (unknown unknowns). illus Govt Exec 4:48-49 Mar '72
- Prototyping for Navy must contribute to reliable and effective systems with minimum lead time and cost. VADM Ralph Weymouth. illus tab Def Mgt J 8:11-13 Jul '72
- Proxmire picks a sweet lemon (in criticizing Defense procurement). Claude Witze. illus AF Mag 55:8-11 Jan '72
- A rebuttal on UTTAS: Army defends its Utility Tactical Transport Aircraft System development. Interview and clarification. BrigGen William J. Maddox. illus Govt Exec 4:44-46+ Jun '72
- Review of the past brightens the future--C-5 problems aid B-1 development. Robert C. Seamans, Jr. illus Def Mgt J 8:60-65 Oct '72
- STOL transport prototype work starts. illus Armed Forces J 110:14-15 Dec '72
- Simplicity in management. (Address, Armed Forces Management Luncheon, Wright-Patterson AFB, Ohio, June 21, 1972) LtGen James T. Stewart. Elect Warfare 4:4+ Summer '72



WEAPON SYSTEMS MANAGEMENT - Continued

(Supply production continuity) (Address, Joint Meeting, Aerospace Industries Assoc and Electronic Industries Assoc, San Diego, Calif, April 20, 1972) RADM Stuart H. Smith, Log Spectrum 6: 5-7 Winter '72

This business of project management. CAPT Frank H. Featherston, illus US Nav Inst Proc 98:22-29 Jan '72

Study and Teaching

Educating the DOD program manager--vital function of Defense Systems Management School. BrigGen Winfield S. Scott III, tab Def Mgt J 8:27-31 Apr '72

System X (the Conqueror missile system)--an investment in manager development (as studied in the Defense Systems Management School). CDR James R. Smith, Def Mgt J 8:80-82 Oct '72

WEAPONS

See also specific types of weapons, e. g.,

Airplanes, Bomber	Missiles
Armored Vehicles	Nuclear Weapons
Artillery	Rockets
Bombs	Small Arms
Machine Guns	Tanks, Military

Arms for guerrilla war. Jac Weller, illus Ordnance 57:208-213 Nov-Dec '72

Weapons, vehicles, equipment. Regular feature in issues of International Defense Review

Statistics

The strategic balance, AVM Neil Cameron, tab Royal Air Forces Qtr pt 1, The balance today, 11:169-175 Autumn '71; pt 2, The implication of new weapon systems, 11:253-258 Winter '71; pt 3, China, Europe and SALT, 12:1-5 Spring '72

Great Britain

The British Infantry of the seventies, Col Norman L. Dodd, Ret, illus Infantry 62:16-22 Jul-Aug '72

Israel

Israel's home-grown armament industry. William Beecher, illus Natl Guardsman 26:2-6 Jan '72

NATOStatistics

The theatre balance between NATO and the Warsaw Pact. London's International Institute for Strategic Studies, tabs AF Mag 55:68-71 Dec '72

Russia

The strategic balance, AVM Neil Cameron, tab Royal Air Forces Qtr pt 1, The balance today, 11:169-175 Autumn '71; pt 2, The implication of new weapon systems, 11:253-258 Winter '71; pt 3, China, Europe and SALT, 12:1-5 Spring '72

United States

Air armament of the future. (Address, 54th Annual Defense Preparedness Meeting, American Ordnance Assoc, Eglin AFB, Fla, Oct 4, 1972) Gen George S. Brown, AF Plcy Ltr for Comdrs: Sup No. 11:25-29 Nov '72

Army weapons, equipment, 1972: Promise and uncertainty. Eric C. Ludvigsen, illus Army 22:124-126+ Oct '72

WEAPONS - ContinuedUnited States - Cont'd

Field artillery equipment, tabs illus Fld Artilleryman No. 50:4-49 Oct '72

Foreign weapons may defend U.S. AF Times 32:4 Mar 15 '72

Jet Shot. (A new propulsion device that can launch projectiles without sound, smoke, or flame) Col John J. Frost, illus Ordnance 56:386-390 Mar-Apr '72

New developments in Infantry mortars, (ARMy Mortar Program (ARMOP)) Capt Gary T. Rogers, illus Infantry 62:14-15 Jul-Aug '72

The strategic balance, AVM Neil Cameron, tab Royal Air Forces Qtr pt 1, The balance today, 11:169-175 Autumn '71; pt 2, The implication of new weapon systems, 11:253-258 Winter '71; pt 3, China, Europe and SALT, 12:1-5 Spring '72

U. S. strategic weapons programmes review, illus tab Interavia 27:1248-1249 Nov '72

Warsaw PactStatistics

The theatre balance between NATO and the Warsaw Pact. London's International Institute for Strategic Studies, tabs AF Mag 55:68-71 Dec '72

WEAPONS PROCUREMENTSee also

Arms Sales

Weapons systems development--how do other nations control costs in developing weapons systems? (Based on statements of Robert Perry and Arthur J. Alexander before the Senate Armed Services Committee, Dec 7, 1971) Thomas A. Johnson, Army Log 4:12-14 Nov-Dec '72

Air Force--U.S.

AFSC Procurement Evaluation Panel: New check in defense systems acquisition. MajGen Edmund F. O'Connor, illus Def Mgt J 8:11-16 Apr '72

The A-X. LtCol William D. Neal, Jr, illus tab TAC Attack 12:16-18 Jul '72

Advance procurement planning, Maj Ora L. Simpson, Jr, illus Review 51:32+ Mar-Apr '72

Air Force appropriations request, FY-73. (Statement to Senate Committee on Appropriations, Feb 16, 1972) Robert C. Seamans, Jr, illus tabs AF Plcy Ltr for Comdrs: Sup No. 4:2-28 Apr '72

Air Force looks forward to return to prototyping. LtGen Otto J. Glasser, illus Def Mgt J 8:14-18+ Jul '72

B-52 decoy ideas sought--SCAD (Subsonic Cruise Armed Decoy) design, AF Times 32:18 Mar 8 '72

Budget cuts aircraft buys, AF Times 32:3 Feb 9 '72

Competitive prototyping--a development strategy. Col Delbert H. Strube, illus AU Rev 23:2-11 May-Jun '72

8 prototypes accelerated, AF Times 32:21 Jan 26 '72

Fly-before-you-buy, TIG Brief 24:15 Oct 27 '72

General Dynamics and Northrop to build lightweight fighter prototypes, illus tab Interavia 27:693 Jul '72

WEAPONS PROCUREMENT - ContinuedAir Force--U.S. - Cont'd

- New (missile) armaments (SRAM and SCAD) slated on B-52s. AF Times 32:37 Jul 5 '72
- The Northrop A-9A close support aircraft, illus Intl Def Rev pt 1, Northrop's A-9A contender. 5:370-371 Aug '72
- Program management. Gen George S. Brown, illus Ordnance 57:54-58 Jul-Aug '72
- Prototype development. Robert C. Seamans, Jr, illus Ordnance 56:465-467 May-Jun '72
- STOL transport prototype work starts, illus Armed Forces J 110:14-15 Dec '72

Armed Forces--Great Britain

- Multi-role or single purpose? A problem in procurement. W. T. Gunston, illus RUSI J for Def Studies 117:33-37 Mar '72

Armed Forces--U.S.

- Balance of security. John S. Foster, Jr, illus Ordnance 57:44-47 Jul-Aug '72
- DDR&E pushes import-export of weapons technology. Interview. Robert A. Basil, illus tab Armed Forces J 109:46+ Aug '72
- FY 73 audit trail through the 92d Congress. (Weapons procurement and R&D) Table only. Armed Forces J 110:16-17 Dec '72
- Faith, patience, perseverance and the Tomcat (F-14). Larry Booda, illus Sea Power 15:13-18 Mar '72
- Hardware cut by \$450 million. AF Times 32:4 May 10 '72
- In-fighting begins on military budget. Robert S. Horowitz, AF Times 32:5 Apr 19 '72
- Lightweight fighter prototype RFPs (Requests For Proposals) out. Armed Forces J 109:19 Feb '72
- A 'peacetime' defense budget boosts strategic weapons. Eric C. Ludvigsen, illus tabs Army 22:8-11 Mar '72
- Procurement measure wins House approval. AF Times 32:51 Jul 19 '72

Costs

- FY 73 procurement (in \$-millions). Table only. Armed Forces J 109:50 Mar '72
- GAO cites higher costs (for 77 weapons systems being developed or produced). AF Times 32:10 Aug 2 '72

Army--U.S.

- Army gets go-ahead for scrubbed down AAH. Brooke Nihart, Armed Forces J 110:14 Dec '72
- Army prototyping philosophy: Improve the acquisition process. MajGen George Sammet, Jr, Def Mgt J 8:7-10+ Jul '72
- Army weapons, equipment, 1972: Promise and uncertainty. Eric C. Ludvigsen, illus Army 22:124-126+ Oct '72
- Blueprint for acquisition of Army materiel. Gen Henry A. Miley, Jr, illus Army Log 4:4-7 Sep-Oct '72
- Competitive missile procurement. J. A. Muller, illus tab Army Log 4:8-11 Nov-Dec '72

WEAPONS PROCUREMENT - ContinuedArmy--U.S. - Cont'd

- FMC and Lockheed will build ARSV (Armored Reconnaissance Scout Vehicle) prototypes, illus Armed Forces J 109:18 Jul '72
- Maimed battle tank--green light for \$500,000 new tank? Armed Forces J 110:39 Dec '72
- More UTTAS burn dope? Armed Forces J 109:60 Jun '72
- A rebuttal on UTTAS: Army defends its Utility Tactical Transport Aircraft System development. Interview and clarification. BrigGen William J. Maddox, illus Govt Exec 4:44-46+ Jun '72
- 'Superb engineering' wins UTTAS for Sikorsky, Boeing, illus Armed Forces J 110:46 Oct '72
- UTTAS (Utility Tactical Transport Aircraft System) to succeed Huey. Richard E. Gile, illus Infantry 62:56-57 Nov-Dec '72

Defense Dept--Great Britain

- A defence audit. Brig Fraser Scott, illus Royal United Svcs Inst for Def Studies J 116:31-36 Dec '71
- Defence procurement--a heretical view? Ian Bellany, RUSI J for Def Studies 117:37-39 Mar '72

Defense Dept--U.S.

- AFSC Procurement Evaluation Panel: New check in defense systems acquisition. MajGen Edmund F. O'Connor, illus Def Mgt J 8:11-16 Apr '72
- The challenge of cost-to-produce. VADM Eli T. Reich, illus Def Mgt J 8:6-10 Apr '72
- A closer look at the Utility Tactical Transport Aircraft System (UTTAS). illus Govt Exec 4:32-34+ Apr '72
- Complex defense systems require good design teams with less people. Albert Shapero, tabs Def Mgt J 8:34-38 Jul '72
- Congress and the new procurement wisdom. (Adapted from remarks, AF Worldwide Procurement Conference, Norton AFB, Calif, March 28, 1972) Herbert Roback, illus Def Mgt J 8:19-24 Jul '72
- Cost-effectiveness--a new look at an old problem. Brenda W. Atkinson, illus Armor 81:18-20 May-Jun '72
- Cost growth--evolution and analysis. Maj Richard S. Sapp, illus AF Compt 6:34-37 Jan '72
- Cost/Schedule Control Systems Specification (C/SCSS)--implementation through operation. Norman G. Stamp, illus AF Compt 6:21-23 Jan '72
- Effective defense spending: A report by the U.S. Chamber of Commerce. Army 22:38-42 Mar '72
- GAO looks at DOD weapon system acquisition process--improvement noted but problem areas remain. Elmer B. Staats, illus Def Mgt J 8:71-75 Oct '72
- House buys most DOD hardware budget requests, tabs Armed Forces J 109:24-25+ Jul '72
- Improving R&D management through prototyping. David Packard, illus Def Mgt J 8:3-6 Jun '72
- Parametric cost estimating aids DOD in systems acquisition decisions. Donald W. Snull, Def Mgt J 8:2-5 Apr '72

WEAPONS PROCUREMENT - ContinuedDefense Dept--U. S. - Cont'd

Partners in defense. (Address, 54th Annual Meeting, American Ordnance Assoc, Washington, May 11, 1972) Thomas V. Jones. Ordnance 57:40-42 Jul-Aug '72

Prototyping: Attack on the unk unks (unknown unknowns). illus Govt Exec 4:48-49 Mar '72

Prototyping--middle management featherbedding. Interview. LtGen Otto Glasser. illus Govt Exec 4:23 Oct '72

Proxmire picks a sweet lemon (in criticizing Defense procurement). Claude Witze. illus AF Mag 55:8-11 Jan '72

Putting the lid on weapons costs. John S. Foster, Jr. Persp in Def Mgt, pp 11-16, Autumn '72

Review of the past brightens the future--C-5 problems aid B-1 development. Robert C. Seamans, Jr. illus Def Mgt J 8:60-65 Oct '72

"Should cost": A multimillion-dollar savings. Maj David N. Burt. illus AU Rev 23:38-44 Sep-Oct '72

The technical data package and competitive procurement. Kenneth Griffiths and George A. Kanzaki. Def Mgt J 8:17-21 Apr '72

Trade groups--action or reaction? Govt Exec 4:12 Feb '72

Transition of acquisition policy leads to development of PIECOST (Probability of Incurring Estimated COST) system. Philip N. Whittaker. illus Def Mgt J 8:25-28 Jul '72

What's a DCP (Development Concept Paper)? Interview. Kenneth Rush. illus Govt Exec 4:24+ Oct '72

Navy--U. S.

The F-14 deal: An inside story. G. A. Spangenberg. Armed Forces J 109:10 Jun '72

Navy's choice of North American V/STOL fighter stirs intra-service, technical, and industry debate. Benjamin F. Schemmer. illus Armed Forces J 109:36-39 Jul '72

Prototyping for Navy must contribute to reliable and effective systems with minimum lead time and cost. VADM Ralph Weymouth. illus tab Def Mgt J 8:11-13 Jul '72

Ship acquisition: The lost generation. LCDR Terry L. Johnson. illus US Nav Inst Proc 98:26-32 Nov '72

Trends in Navy program and budget planning. (Address, American Society of Military Comptrollers West Coast Regional Symposium, San Diego, Calif, Feb 10-11, 1972) RADM S. H. Moore. illus Armed Forces Compt 17:21-23+ Spring '72

United States

Procurement standards issued by CASB (Cost Accounting Standards Board). Armed Forces J 109:19-20 Feb '72

WEATHERSee also

Meteorology

also specific elements, e. g.,

Clouds	Thunderstorms
Fog and Fog Dispersal	Turbulence
Hurricanes	Typhoons
Lightning	Winds
Rain	

WEATHER - Continued

Dissemination of meteorological information at large airports. L. Thibord. illus Interavia 27:76-77 Jan '72

IMC (Instrument Meteorological Condition)--friend or foe? CW3 John L. Coleman. illus USA Avn Dig 18:54-57 Jan '72

PIREPS (PIlot weather REPortS)--a reminder. illus Approach 18:4-5 Oct '72

Military Applications

AWADS (Adverse Weather Aerial Delivery System). Maj James Alexander. illus USAF TAWC Rev 3:10-14 Apr '72

Aerospace systems and weather. Maj John H. Manley. illus AU Rev 24:42-52 Nov-Dec '72

The British artillery meteorological system. illus tab Intl Def Rev 5:366-369 Aug '72

WEATHER CONTROL

Aerospace systems and weather. Maj John H. Manley. illus AU Rev 24:42-52 Nov-Dec '72

Project Stormfury--hurricane seeding to increase. AF Times 33:23 Aug 9 '72

WEATHER FORECASTING

Aerospace systems and weather. Maj John H. Manley. illus AU Rev 24:42-52 Nov-Dec '72

Bad news for pilots. (RIFs will affect the Air Weather Service) (Excerpts from address, ANG/ADC safety workshop for commanders, May 1972) Col Lewis J. Neyland. Interceptor 14:20-21 Jun '72

Beware the ides of December. Maj Joseph M. Kovac, Jr. illus Interceptor 14:20-23 Dec '72

Chromatic climatology comprehension. Maj Richard L. Wing. Combat Crew 23:28-30 Jun '72

Data buoys--Gulf gets a "monster." illus Govt Exec 4:22-23 Jul '72

"Magnetic mirrors" in space: Cosmic rays--heralds of magnetic storms. Leonti Miroshnichenko. Space World I-2-98:39 Feb '72

Put a little color in your weather. Maj R. L. Wing. MAC Flyer 19:8-10 Jun '72

The weather career field. illus Contact 26:6 Jan-Feb '72

WEATHER RECONNAISSANCE

(Expendable Remote Operating Weather Station (EROWS)) Signal 26:62 Apr '72

Grid and bear it--pole vaulting made easy. Maj Covert Soule, Jr and Capt Albert T. Oldham. illus Navigator 19, No. 1:20-21 '72

Motion sickness symptomatology and performance decrements occasioned by hurricane penetrations in C-121, C-130 and P-3 Navy aircraft. Robert S. Kennedy and others. illus tabs Aerosp Med 43:1235-1239 Nov '72

Project Stormfury--hurricane seeding to increase. AF Times 33:23 Aug 9 '72

WEATHER STATIONS

Air-dropped 'spear' (Expendable Remote Operating Weather Station (EROWS)) gets weather data. AF Times 32:49 Jan 19 '72



WEATHER STATIONS - Continued

Joint Typhoon (Warning) Center (at Nimitz Hill, Guam) records busy year. AF Times 32:42 Mar 1 '72

WEIGHTED AIRMAN PROMOTION SYSTEM

APR point value studied as factor in promotion. AF Times 32:10 Jun 28 '72

Command support for WAPS test development. TIG Brief 24:19 Oct 13 '72

Identical WAPS scores normal. AF Times 33:43 Dec 13 '72

Increasing WAPS visibility. LtCol Donald H. Taylor. illus Airman 16:21-23 Jan '72

Late APRs cost airmen. AF Times 32:17 Jan 12 '72

Medical deferral of WAPS testing. TIG Brief 24:6 Mar 10 '72

A no-fail (no good) test (for promotion). Bruce Callander. AF Times 33:13 Aug 30 '72

Personnel Data System-Airmen (PDS-A) accuracy. TIG Brief 24:19 Nov 24 '72

Pro pay, promotions not identical. AF Times 33:10 Dec 20 '72

Speed medal credits (for quick conversion to WAPS points). AF Times 32:2 Jul 19 '72

Test-dodgers ruled ineligible for hikes. AF Times 32:4 Jun 28 '72

WAPS for Reserves still far off. AF Times 32:41 Jul 26 '72

(WAPS) hike scores can only rise under new plan, AF says. AF Times 33:44 Sep 27 '72

(WAPS) promotion tests set for 1 session. AF Times 32:6 Mar 29 '72

WAPS scores change subtly. AF Times 33:4 Sep 6 '72

(WAPS) testing cutoffs firmed. AF Times 32:2 Feb 2 '72

WEIGHTLESSNESS

Comparative study of two direct methods of bone mineral measurement. Paul C. Rambaut and others. illus tabs Aerosp Med 43:646-650 Jun '72

Effects of a multi-hour immersion on trained and untrained subjects: I. Renal function and plasma volume. D. Boening and others. illus tab Aerosp Med 43:300-305 Mar '72

Effects of a multi-hour immersion on trained and untrained subjects: II. Blood protein and electrolyte concentrations. D. Boening and others. illus Aerosp Med 18:415-418 Apr '72

Extended weightlessness and man. Vasily Kopanov. Space World 1-1-97:43-44 Jan '72

"The facets" of weightlessness. G. Arakelyan and V. Smirnov. Space World 1-6-102:66 Jun '72

Man on a long space flight. Vladimir Shatalov. Space World 1-10-106:30-31 Oct '72

WEIGHTS AND MEASURES

See also  
Telemetry

The metric system. LtCol Harold H. Hunt, Ret. tab Ordnance 56:480-482 May-Jun '72

Metrology in the U. S. LtCol Harold H. Hunt, Ret. tab Ordnance 57:231-233 Nov-Dec '72

WEIGHTS AND MEASURES - Continued

PMEL (Precision Measurement Equipment Laboratory) at Vandenberg (AFB, Calif) spells accuracy. illus AF Times 32:26 Jan 5 '72

Equipment

Traceability and Precision Measurement Equipment (PME). TIG Brief 24:15-16 Feb 11 '72

WEISNER, Maurice F.

Navy's ADM Weisner: "The commander ... needs to be let alone." por Govt Exec 4:17 Aug '72

'Tail hooker of the year'; Weisner in profile. Robert J. Boylan. por Sea Power 15:22-23 Jan '72

WELFARE OF ARMED FORCES

House probes eye welfare fund cache. Bob Horowitz. AF Times 32:20 May 24 '72

Relief bills--rocky road. Bob Horowitz. AF Times 32:1+ Jul 26 '72

WELLINGTON, Arthur W., 1st Duke of

Waterloo--Wellington's right flank. LtCol J. G. O. Whitehead. maps Army Qtr 102:201-208 Jan '72

WERBECK, Donald L.

Meeting the challenge of change--a discussion of: Strategy of realistic deterrence; Defense funding considerations; Quality control of C&E equipment; Industry-military cooperation. BrigGen D. L. Werbeck. illus Signal 27:10-17 Oct '72

WEST POINT, NY MILITARY ACADEMY see Military Academy, West Point, NYWESTMORELAND, Katherine

The laconic lady (Mrs William C. Westmoreland) of Quarters One. Margaret Eastman. por AF Times, Family sup:10-12 Jun 7 '72

WESTMORELAND, William C.

Communications and today's Army. Gen W. C. Westmoreland. por Signal 27:6-9 Sep '72

A conversation with Gen (William C.) Westmoreland (as broadcast on CBS TV's Face the Nation, Dec 19, 1971). Interview. por Soldiers 27:5-9 Mar '72

Materiel management. (Address, AMC Executive Seminar, May 12, 1972) Gen William C. Westmoreland. illus Army Log 4:14-17 Jul-Aug '72

The role of modern land forces. Gen William Westmoreland. por NATO's Fifteen Nations 17:18-26 Jun-Jul '72

The view from the tank: Interviews with the Joint Chiefs. por Armed Forces J 109:36-44 Jan '72

Well done, Westy! por Army 22:9-10 Aug '72

Westmoreland praises "critical role"--Army's challenges comparable to Pershing's day. Gen William C. Westmoreland. Officer 48:11+ Mar '72

WEYAND, Frederick C.

Airpower halts an invasion. (Based on interviews with Gens F. C. Weyand, L. D. Clay, Jr, G. W. Johnson, J. R. McGiffert and J. W. Vogt, Jr) Edgar Ulsamer. por AF Mag 55:60-68+ Sep '72

(Gen Frederick) Weyand takes Viet command (and Gen John W. Vogt is named deputy). AF Times 32:3 Jul 12 '72

WEYMOUTH, Ralph

Prototyping for Navy must contribute to reliable and effective systems with minimum lead time and cost. VADM Ralph Weymouth. illus tab Def Mgt J 8:11-13 Jul '72

WHEELS

Lunar mobility research. K.J. Melzer. illus Mil Engr 64:82-84 Mar-Apr '72

WHITEHEAD, Clay T.

Clay T. Whitehead addresses AFCEAns (Washington, Feb 1972)--discusses proposed council for federal government communications. Signal 26:10-11 May '72

Government--broadcasting--the public. Clay T. Whitehead. Signal 26:57-59 Jan-Feb '72

WHITTAKER, Philip N.

Transition of acquisition policy leads to development of PIECOST (Probability of Incurring Estimated COST) system. Philip N. Whittaker. illus Def Mgt J 8:25-28 Jul '72

WILBUR, Richard S.

Doctor pay boost called essential (by Defense Dept's Richard Wilbur). AF Times 32:1+ Jan 26 '72

Dr Richard S. Wilbur, Defense's health honcho (talks about medical service). Interview. por AF Times, Family sup:18-19+ Mar 15 '72

Top Defense medic lauds AF's service. AF Times 32:2 May 10 '72

WILDLIFE CONSERVATION

Night of the raiders. (Conservation and wildlife management program, Wildlife Office, Elmendorf AFB, Alaska) Dave Cole. illus Airman 16:37-39 Mar '72

WILKINS, Sir George H.

Pioneer Arctic flying: More than a race to the Pole. Gordon T. Morris. illus map Aerosp Hist 18:178-182 Dec '71

WILLIAMS, Charles E., Jr

Joint tactical communications program. (Address, AFCEA, Washington, June 7, 1972) BrigGen Charles E. Williams, Jr. por Signal 27:22-24 Sep '72

WILLIAMS, George V.

MajGen at Hancock (Field, NY) retires. AF Times 32:33 Mar 8 '72

WILLIAMS, Robert W.

Commanders and intelligence--the growing gap. BrigGen Robert W. Williams. Army 22:21-24 Dec '72

WILSON, Gill R.

The air world. (Profile sketch of the early vintage navigator-bombardier) Gill Robb Wilson. Navigator 19, No. 3:4 '72

WILSON, Louis L., Jr

IG's advice for commanders. (Address, 94th General Conference, NGAUS, San Francisco, Sep 12, 1972) LtGen Louis L. Wilson, Jr. AF Plcy Ltr for Comdrs: Sup No. 12:15-23 Dec '72

Philosophy of inspection. LtGen Louis L. Wilson, Jr. TIG Brief 24:1 Jun 2 '72

WILSON, Woodrow

Woodrow Wilson and disarmament: Ideas vs realities. Richard Dean Burns and Donald Urquidí. por Aerosp Hist 18:186-194 Dec '71

WIND TUNNELS

Groundwork for aircraft. William G. Holder. illus Ordnance 57:151-154 Sep-Oct '72

WINDS

An airline pilot looks at crosswind landings on slippery runways. (Condensation of paper, Flight Safety Foundation's 24th Annual Air Safety Seminar, Mexico City, Oct 20, 1971) Capt John B. Clark. illus MAC Flyer 19:8-11 Feb '72

Check that wind. illus MAC Flyer 19:14-15 Jul '72

Let's get serious about radar bombs. Maj Luther L. Crider. illus USAF Ftr Wpns Rev, pp 8-11, Fall '72

Scratch two downwind. LtCol Gerald A. Jones. illus Aerosp Safety 28:18-19 Jan '72

WIRETAPPING see EavesdroppingWITTBRODT, Edwin S.

Thoughts on comptrollership. (From remarks, American Society of Military Comptrollers West Coast Regional Symposium, San Diego, Calif, Feb 10-11, 1972) BrigGen E. S. Wittbrodt, Ret. por Armed Forces Compt 17:28-33 Spring '72

WIVES, MILITARY

Expectant dad rule extends EM o'seas. AF Times 32:6 May 31 '72

Officers may remain if wives are pregnant. AF Times 32:11 May 24 '72

A POW wife in politics--how much company does she have? Lee Ewing. illus AF Times, Family sup: 10-11 Sep 6 '72

Wives air housing, store gripes--no children in commissaries? (AF Career Motivation Conference, Maxwell AFB, Ala, June 5-9, 1972) Sue Toma. AF Times 33:8 Aug 23 '72

Women's liberation--Armor School style! Mrs Michael J. Fay and Mrs George S. Patton. illus Armor 81:30-34 May-Jun '72

WOLK, Herman S.

Roots of strategic deterrence. Herman S. Wolk. illus Aerosp Hist 19:137-144 Sep '72

The transformation of U.S. foreign policy. Herman S. Wolk. illus AF Mag 55:74-80 Sep '72

WOMEN

Operation Ms under the sea. (Tektite II) David Jacobson. illus Sea Power 15:29-32 Feb '72

WOMEN IN ASTRONAUTICS

Sputnik to mutnik to--picnic! (The female astronaut is not far off) Carl R. Konkel and William G. Holder. Space World I-12-108:46-48 Dec '72

WOMEN IN THE AIR FORCEDenmark

Gals play big role in Danish AF. AF Times 32:21 May 17 '72

## WOMEN IN THE AIR FORCE - Continued

Great Britain

UK's 'lady airmen' step up--WAF, meet WRAF.  
Col Norman Dodd. AF Times 33:42 Aug 16 '72

United States

Anatomy of an instigator. Margaret Eastman. illus  
AF Times, Family sup:10 Mar 15 '72

Aviatrix in blue. (Capt Judy Willis competes in the  
Powder Puff Derby) Lt Marion Bacon. illus  
Airman 16:31-32 Jan '72

BAQ inequities irk women. AF Times 32:19 Jul 19 '72

Court denies WAF (Lt Sharron Fronteiro) benefits  
for husband. AF Times 32:4 Apr 19 '72

Enlisting standards quietly eased up. AF Times 32:10  
May 31 '72

Five AF cases put to high court--three set for hear-  
ing. George Foster. AF Times 33:13 Nov 22 '72

Forced-out WAF (Lt Erika Uehlinger) sues to  
return--witchcraft an issue. AF Times 32:6  
Jun 28 '72

Job door widened for WAF. tab AF Times 33:9  
Oct 11 '72

Lady killers--one squadron's adventure with two WAF  
fighter pilots. illus Interceptor 14:12-16 Jul '72

Maiden name use OK'd in some cases. AF Times 33:  
67 Nov 29 '72

New career fields open to WAF. TIG Brief 24:10  
Jun 16 '72

Nurse, AF's second lady general (Ethel A. Hoefly), to  
pin on star (and other general officer activity  
announced). AF Times 32:5 Jul 5 '72

Nursing chief (Col E. Ann Hoefly) pins on star. Sue  
Toma. illus AF Times 32:22 Jul 19 '72

Pregnancy rules force most WAF to leave--can re-  
turn later. AF Times 32:17 Jun 7 '72

Pregnant WAF (1stLt Mary S. Gutierrez) loses in  
court. AF Times 33:44 Aug 23 '72

Pregnant WAF policy outlined. AF Times 33:17  
Aug 9 '72

Separation policy--married WAF given break. AF  
Times 32:3 Jul 5 '72

(Supreme) Court to weigh woman's rights. AF Times  
33:25 Oct 25 '72

3 pregnancy waivers granted (Capt Susan Struck, Lt  
Mary Gutierrez and A1C Gloria D. Robinson).  
AF Times 33:15 Dec 27 '72

Top court hears pregnancy appeal (of Capt Susan  
Struck). AF Times 33:4 Nov 8 '72

219 WAF stay, though pregnant. AF Times 33:4  
Aug 16 '72

Utilization of women in the Armed Services. TIG  
Brief 24:13 Jun 2 '72

WAF begin SP duty. AF Times 32:2 Jan 19 '72

WAF Force due to triple (and more skill specialties  
to be opened to women). George Foster. AF Times  
33:1+ Dec 6 '72

WAF (SSgt Deborah H. Knaup) seeks full benefits for  
husband. AF Times 33:44 Aug 23 '72

## WOMEN IN THE AIR FORCE - Continued

United States - Cont'd

WAF to serve in more jobs. (Address, Pennsylvania  
State Convention of the Air Force Assoc, Sewick-  
ley, June 24, 1972) BrigGen Jeanne M. Holm. AF  
Plyc Ltr for Comdrs: Sup No. 9:27-32 Sep '72

WAF uniforms going through transition period. TIG  
Brief 24:7-8 Feb 11 '72

Woman veterinarian (Capt Catherine Tull) marks  
first for AF. AF Times 33:42 Oct 11 '72

Women shy away from WAF title. AF Times 33:2  
Oct 18 '72

Women's Force seeks leaders. Bruce Callander. AF  
Times 33:13 Nov 8 '72

WOMEN IN THE ARMED FORCES

Go ahead--exploit us! (Army womanpower) Capt  
Karen McKay. illus Army 22:21-25 Apr '72

Russia

Women's Guards (Air) Regiment. illus Soviet Mil Rev  
No. 3:46-48 Mar '72

United States

BAQ equality pushed by AF. AF Times 32:6 May 3 '72

Can Black men and women be "sold" on the Guard?  
Yes! They can! illus Natl Guardsman 26:18-19  
Oct '72

Congress balks at equality for married servicewomen.  
AF Times 32:6 Feb 9 '72

DACOWITS (Defense Advisory Committee On Women  
In The Services): A nice little group that doesn't  
do very much. Margaret Eastman. illus AF Times,  
Family sup:11+ Mar 15 '72

Defense memo seeks equality for women. AF Times  
32:3 Jun 21 '72

Dependent husband rule liberalized--many service-  
women to get higher BAQ. AF Times 32:3 Jul 26 '72

Distaff pilots? Why not, Laird asks. AF Times 32:3  
Apr 12 '72

Lady stars give Hill the word. AF Times 32:11  
Mar 22 '72

The military abortion maze. Margaret Eastman and  
Jim Sample. illus tabs AF Times pt 1, Family  
sup:6-13+ Nov 1 '72; pt 2, Family sup:8-11+  
Nov 15 '72

Needed: More women in uniform. LtGen Ira C. Eaker,  
Ret. AF Times 33:13 Sep 13 '72

Proposals would up JROTC units. AF Times 32:36  
May 3 '72

ROTC scholarships for women. Armed Forces J  
109:13 May '72

Senate unit approves equal women's bill. AF Times  
33:4 Oct 4 '72

Services swap brags about women's lib--but are they  
sincere? George Foster. AF Times 33:13  
Aug 30 '72

Skirts for twenty percent. Armed Forces J 110:16-17  
Sep '72

(27th) amendment would alter role of women in ser-  
vice. AF Times 32:3 Apr 5 '72

Utilization of women in the Armed Services. TIG  
Brief 24:13 Jun 2 '72



WOMEN IN THE ARMED FORCES - ContinuedUnited States - Cont'd

What military men say about military women.

Margaret Eastman. illus AF Times, Family sup: 8-9 Mar 15 '72

The woman in uniform--how liberated can she be?

Margaret Eastman. illus AF Times pt 1, Family sup:6-9+ Mar 15 '72; pt 2, Servicewomen speak out. Family sup:6-11+ Apr 5 '72; pt 3, Some people in uniform are more equal than others. Family sup:24-25+ Apr 19 '72

WOMEN IN THE ARMYIsrael

Charm in uniform. (Israeli Women's Army Corps) illus Mil Rev 52:102-103 Sep '72

United States

Army, Navy ROTC woo the gals. Officer 48:28+ May '72

Case study: Army regs vs the ladies. Berl Brechner. AF Times, Family sup:12 Mar 15 '72

The drill sergeant wore skirts. LtCol Tom Hamrick. illus Army 22:38-39+ Sep '72

Go ahead--exploit us! (Army womanpower) Capt Karen McKay. illus Army 22:21-25 Apr '72

Nurses are different--why? illus AF Times, Family sup:26-27 Apr 19 '72

Sugar 'n spice 'n DS (Drill Sergeant) stripes. SP4 Chuck Noland. illus Soldiers 27:14-15 May '72

WOMEN IN THE NAVYUnited States

The admiral with the healer's hands--nurse director Alene Duerk. Robert J. Boylan. illus Sea Power 15:36 Jun '72

Annapolis under seige. Robert J. Boylan. illus Sea Power 15:19-23 Mar '72

Army, Navy ROTC woo the gals. Officer 48:28+ May '72

First woman (Alene B. Duerk) becomes an admiral. Armed Forces J 109:11 Jun '72

Navy gets female fliers in '75. AF Times 33:6 Nov 22 '72

The restricted unrestricted line officer: The status of the Navy's woman line officer. LCDR Beth F. Coye. illus tabs Nav War Col Rev 24:53-64 Mar '72

WOMEN'S AIR FORCE SERVICE PILOTS see Women in the Air Force--U. S.WOOD, John S., Jr

Introducing "P" Wood--4th Armored Division. John Albright. por Armor 81:24-29 Jan-Feb '72

WOOD, Leonard

General Leonard Wood: Nationbuilder. LtCol John H. Napier III. por Mil Rev 52:77-86 Apr '72

WOOLWINE, Walter J.

Strategic mobility and maritime technology--a challenge for the future. LtGen Walter J. Woolwine. por Def Trans J 28:31-33 Jul-Aug '72

WORK MEASUREMENT see Time and Motion StudyWORK SIMPLIFICATION

There is always a better way. ((MAP-TOE) Management Practices in TOE units) Maj W. J. Ryland. illus Armed Forces Compt 17:30-33 Fall '72

WORLD METEOROLOGICAL ORGANIZATION

International organisations: WMO. Interavia 27:1213 Nov '72

WORLD ORGANIZATION see International OrganizationWORLD POLITICS see International PoliticsWORLD WAR I

The A. E. F. through French eyes. Lee Kennett. illus Mil Rev 52:3-11 Nov '72

Recollections of the First World War (from letters and diaries of BrigGen E. Craig-Brown and 2dLt R. A. S. Phillips). Maj O. B. Warman and John Phillips. Army Qtr 102:95-100 Oct '71

Woodrow Wilson and disarmament: Ideas vs realities. Richard Dean Burns and Donald Urquidi. illus Aerosp Hist 18:186-194 Dec '71

Aerial Operations, American

A. E. F. combat airfields and monuments in France, WW I. Royal D. Frey. illus map Am Avn Hist Soc J 17:194-200 Fall '72

Aerial Operations, Austrian

Military aviation in Austria-Hungary, 1893-1918. Gunther Rothenberg. illus Aerosp Hist 19:77-82 Jun '72

Aerial Operations, British

Airlift to Kut (al Amara, Mesopotamia). Col A. P. Sights, Jr, Ret. illus map US Nav Inst Proc 98:50-59 Jan '72

Reed G. Landis: America's SE-5 ace. James J. Hudson. illus Aerosp Hist 18:195-199 Dec '71

Aerial Operations, German

The zeppelin:Dinosaur of the sky. J. David Truby. illus Army 22:34-37 Sep '72

Airborne Operations

The zeppelin:Dinosaur of the sky. J. David Truby. illus Army 22:34-37 Sep '72

Campaigns and Battles

A. E. F. combat airfields and monuments in France, WW I. Royal D. Frey. illus map Am Avn Hist Soc J 17:194-200 Fall '72

The ruse at Belfort. Donald Smythe. illus map Army 22:34-38 Jun '72

Censorship

George Creel (head of Committee on Public Information during World War I): Forgotten genius. Thomas Fleming. illus Army 22:43-48 Mar '72

History

The battle of the books:Pershing versus March (versus Harbord). Donald Smythe. illus Army 22:30-32 Sep '72

The improbable alliance: The Central Powers and coalition warfare, 1914-1918. LtCol James B. Agnew. illus charts Parameters 1:36-49 Winter '72

WORLD WAR I - ContinuedPersonal Narratives

Interceptor interview: A fighter pilot (CDR Reginald Sinclair). illus tab Interceptor 14:5-11 Aug '72

Recollections of the First World War (from letters and diaries of BrigGen E. Craig-Brown and 2dLt R.A.S. Phillips). Maj O. B. Warman and John Phillips. Army Qtr 102:95-100 Oct '71

Strategy

The improbable alliance: The Central Powers and coalition warfare, 1914-1918. LtCol James B. Agnew. illus charts Parameters 1:36-49 Winter '72

The ruse at Belfort. Donald Smythe. illus map Army 22:34-38 Jun '72

The zeppelin: Dinosaur of the sky. J. David Truby. illus Army 22:34-37 Sep '72

WORLD WAR II

Patton and Montgomery: Alike or different? LtCol Martin Blumenson. illus Army 22:16-22 Jun '72

Aerial Operations, American

Attacking ground targets (in WW II). Col Avelin P. Tacon, Jr. illus TAC Attack 12:17-19 Sep '72

The day the 31st Fighter Group won its unit citation. Jim Brooks. illus AF Mag 55:73-75 Oct '72

Flying, floating and fighting angels (5th Air Force's 3d Emergency Rescue Sq). George A. Reynolds. illus Aerosp Hist 18:200-202 Dec '71

From the zenith to the deck. (8th Fighter Command in WW II) BrigGen Francis H. Griswold. TAC Attack 12:16-17 Sep '72

Hellcat 40467--the history of one F6F. Richard M. Hill. illus Am Avn Hist Soc J 17:201-205 Fall '72

The Jolly Rogers at Iron Range and Port Moresby (90th Bomb Gp). John S. Alcorn. illus map Am Avn Hist Soc J 17:178-183 Fall '72

Lightning (P-38) pilot. (14th Fighter Gp in Operation Torch, WW II) Jeffrey L. Ethell. illus map Am Avn Hist Soc J 17:11-17 Spring '72

New thoughts on the old Mustang. Robert C. Burkholder. illus Aerosp Hist 19:66-68 Jun '72

A page from history--OS2U Kingfisher. illus Approach 17:14-17 Mar '72

Shuttle raiders to Russia. (Flying Forts in Operation Frantic) Glenn B. Infield. illus map AF Mag 55:46-50 Apr '72

Stopping over at Ivan's airdrome. (Flying Forts in Operation Frantic) LtCol Marvin S. Bowman, Ret. illus AF Mag 55:51-55 Apr '72

World War 2: "A war diary." Lt Roland R. Birnn. (Reprinted from Air Power Historian, Jan 1957) illus TAC Attack 12:10-15 Sep '72

Aerial Operations, Australian

The Royal Australian Air Force marks its golden jubilee. Reg MacDonald. illus tab Aerosp Hist 19:69-76 Jun '72

Aerial Operations, German

Shuttle raiders to Russia. (Flying Forts in Operation Frantic) Glenn B. Infield. illus map AF Mag 55:46-50 Apr '72

WORLD WAR II - ContinuedAerial Operations, German - Cont'd

The Stalingrad airlift: An eyewitness commentary (on "Stalingrad and Dien Bien Phu," by Donald R. Backlund, Aerosp Hist, Summer-Fall 1970). Wolfgang Pickert. Aerosp Hist 18:183-185 Dec '71

Aerial Operations, Italian

Martin 187 in Italian service. Tullio Marcon. illus tab Am Avn Hist Soc J 17:112-116 Summer '72

Aerial Operations, New Zealand

Dive bomber! The Douglas SBD Dauntless in Royal New Zealand Air Force service (No. 25 Sq). Cliff F.L. Jenks. illus maps tabs Am Avn Hist Soc J 17:40-48 Spring '72

Aerial Operations, Russian

Air support. MajGen A. Karikh. illus Soviet Mil Rev No. 9:19-22 Sep '72

Women's Guards (Air) Regiment. illus Soviet Mil Rev No. 3:46-48 Mar '72

Airborne Operations

In the enemy rear. LtCol N. Kobrin. illus Soviet Mil Rev No. 2:40-42 Feb '72

Campaigns and BattlesSee also

Pearl Harbor, 1941

About that bridge on the River Kwai. LtCol William A. Henderson. illus map AF Mag 55:42-46 Feb '72

Anatomy of defeat: France 1940. LtCol Frank E. Owens. illus Army 22:32-38 Dec '72

The art of troop control (in Korsun-Shevchenkivsky operation). ColGen G. Vorontsov. illus map Soviet Mil Rev No. 7:36-39 Jul '72

Assault of a fort (in the battle for Königsberg). Col Y. Plotnikov. illus Soviet Mil Rev No. 3:44-45 Mar '72

Colonel Gorokhov's bridgehead. (Defense of Stalingrad) Col P. Balashov. illus Soviet Mil Rev No. 10:52-53 Oct '72

Counteroffensive (at Stalingrad, 1942). Gen P. Batov. illus map Soviet Mil Rev No. 11:45-48 Nov '72

Failure of Nazi Wehrmacht's second offensive. Col A. Zvenzlovsky. illus Soviet Mil Rev No. 8:45-47 Aug '72

In the enemy rear. LtCol N. Kobrin. illus Soviet Mil Rev No. 2:40-42 Feb '72

Midway to Tonkin: A generation of carriers. George M. Hall. illus Sea Power 15:14-19 Jun '72

A myth exploded. Col G. Gorelov. illus Soviet Mil Rev No. 1:8-11 Jan '72

The Rapido fiasco. Brig E. D. Smith. map Army Qtr 102:483-495 Jul '72

Seaborne landing at Novorossiisk. Capt B. Balev. illus map Soviet Mil Rev No. 7:40-42 Jul '72

Singapore 1942: Some warnings. K. Booth. Army Qtr 102:191-200 Jan '72

Solomons action develops into battle for South Pacific. Hanson W. Baldwin. (Reprinted from Marine Corps Gazette, Nov 1942) illus MarCor Gaz 56:42-44 Aug '72

WORLD WAR II - ContinuedCampaigns and Battles - Cont'd

- South of the Somme, May-June 1940. LtGen Henry Karslake. map Army Qtr 102:221-232 Jan '72
- Soviet armored warfare. LtCol Daniel K. Malone. illus Ordnance 56:295-299 Jan-Feb '72
- The Stalingrad airlift: An eyewitness commentary (on "Stalingrad and Dien Bien Phu," by Donald R. Backlund, Aerosp Hist, Summer-Fall 1970). Wolfgang Pickert. Aerosp Hist 18:183-185 Dec '71
- Stalingrad--front-line city. V. Chuikov. illus Soviet Mil Rev No. 10:48-51 Oct '72
- Stalingrad on the defensive. Marshal G. Zhukov. illus map Soviet Mil Rev No. 9:38-41 Sep '72
- Surprise, how it is achieved and its role. MajGen V. Matsulenko. illus Soviet Mil Rev pt 1, No. 5: 37-39 May '72; pt 2, No. 6:37-39 Jun '72
- Why the second front was not opened in 1942. Col V. Sekistov. illus Soviet Mil Rev No. 8:50-52 Aug '72
- The Yelets operation. Col A. Galitsan. map Soviet Mil Rev No. 1:47-49 Jan '72

Logistics

- All troops ashore. SGM T.R. Blandford, Ret. illus Translog 3:16-19 Feb '72

Naval Operations. American

- ADM Joseph Mason Reeves, USN (1872-1948). RADM John D. Hayes, Ret. illus Nav War Col Rev pt 1, To 1931: The engineering, gunnery and aviation years. 23:48-57 Nov '70; pt 2, 1931 to 1948: Commanding the U.S. fleet and in World War II. 24: 50-64 Jan '72
- The coral carrier (Tern Island, French Frigate Shoals). A. Binion Amerson, Jr. illus maps Mil Engr 64:33-36 Jan-Feb '72

- "A destroyer named Smith." Robert F. Sumrall. illus tabs US Nav Inst Proc 98:70-81 Jul '72

- Hellcat 40467--the history of one F6F. Richard M. Hill. illus Am Avn Hist Soc J 17:201-205 Fall '72

- Midway to Tonkin: A generation of carriers. George M. Hall. illus Sea Power 15:14-19 Jun '72

Naval Operations. British

- (H.M.S.) "Eagle" and her brood--a look at the lives of the ship and her squadrons. illus Air Pict 34:40-42 Feb '72

Personal Narratives

- About that bridge on the River Kwai. LtCol William A. Henderson. illus map AF Mag 55:42-46 Feb '72

- All troops ashore. SGM T.R. Blandford, Ret. illus Translog 3:16-19 Feb '72

- The day the 31st Fighter Group won its unit citation. Jim Brooks. illus AF Mag 55:73-75 Oct '72

- Dulag Luft recalled and revisited. Interview. LtGen A. P. Clark. illus Aerosp Hist 19:62-65 Jun '72

- Some memories of Winston Churchill. LtGen Ira C. Eaker, Ret. illus Aerosp Hist 19:120-124 Sep '72

- South of the Somme, May-June 1940. LtGen Henry Karslake. map Army Qtr 102:221-232 Jan '72

- Stopping over at Ivan's airdrome. (Flying Forts in Operation Frantic) LtCol Marvin S. Bowman, Ret. illus AF Mag 55:51-55 Apr '72

WORLD WAR II - ContinuedPersonal Narratives - Cont'd

- World War 2: "A war diary." Lt Roland R. Birn. (Reprinted from Air Power Historian, Jan 1957) illus TAC Attack 12:10-15 Sep '72

Political AspectsSee War--Political AspectsPrisoners of War

- Dulag Luft recalled and revisited. Interview. LtGen A. P. Clark. illus Aerosp Hist 19:62-65 Jun '72

- Dulag Luft: The Third Reich's prison camp for air-men. Edited by LtCol Philip M. Flammer from an anonymous manuscript. illus tab Aerosp Hist 19: 58-62 Jun '72

- POW WOW (Prisoners Of War Waiting On Winning). (Newspaper published by prisoners of war in Germany during WW II) F.T. Gaumer. illus AF Mag 55:84-86 Jul '72

Strategy

- Anatomy of defeat: France 1940. LtCol Frank E. Owens. illus Army 22:32-38 Dec '72

- Why the second front was not opened in 1942. Col V. Sekistov. illus Soviet Mil Rev No. 8:50-52 Aug '72

War Criminals

- Yamashita, Nuremberg and Vietnam: Command responsibility reappraised. LtCol Franklin A. Hart. Nav War Col Rev 25:19-36 Sep-Oct '72

Bulgaria

- Bulgaria at war. Richard P. Bateson. illus tab map Air Pict pt 1, Rebirth of an Air Force. 34:88-94 Mar '72; pt 2, Into battle. 34:140-143 Apr '72; pt 3, Under the Allied onslaught; a change of sides. 34:177-179+ May '72

France

- Anatomy of defeat: France 1940. LtCol Frank E. Owens. illus Army 22:32-38 Dec '72

- South of the Somme, May-June 1940. LtGen Henry Karslake. map Army Qtr 102:221-232 Jan '72

Germany

- Prisoners as soldiers: The German 999th Penal Division. Charles Burdick. Army Qtr 102:65-69 Oct '71

Great Britain

- South of the Somme, May-June 1940. LtGen Henry Karslake. map Army Qtr 102:221-232 Jan '72

Italy

- The Rapido fiasco. Brig E. D. Smith. map Army Qtr 102:483-495 Jul '72

Russia

- The art of troop control (in Korsun-Shevchenkivsky operation). ColGen G. Vorontsov. illus map Soviet Mil Rev No. 7:36-39 Jul '72

- Assault of a fort (in the battle for Königsberg). Col Y. Plotnikov. illus Soviet Mil Rev No. 3:44-45 Mar '72

- Colonel Gorokhov's bridgehead. (Defense of Stalingrad) Col P. Balashov. illus Soviet Mil Rev No. 10:52-53 Oct '72



WORLD WAR II - ContinuedRussia - Cont'd

Counteroffensive (at Stalingrad, 1942). Gen P. Batov. illus map Soviet Mil Rev No. 11:45-48 Nov '72

Failure of Nazi Wehrmacht's second offensive. Col A. Zvenzlovsky. illus Soviet Mil Rev No. 8:45-47 Aug '72

In the enemy rear. LtCol N. Kobrin. illus Soviet Mil Rev No. 2:40-42 Feb '72

A myth exploded. Col G. Gorelov. illus Soviet Mil Rev No. 1:8-11 Jan '72

The offensive spirit (during the battle at Moscow in September 1941-January 1942). MajGen F. Stepanov. illus Soviet Mil Rev No. 6:39-41 Jun '72

Party political work in combat conditions. LtGen A. Pigurnov. Soviet Mil Rev No. 2:43-45 Feb '72

Seaborne landing at Novorossiisk. Capt B. Balev. illus map Soviet Mil Rev No. 7:40-42 Jul '72

Stalingrad--front-line city. V. Chuikov. illus Soviet Mil Rev No. 10:48-51 Oct '72

Stalingrad on the defensive. Marshal G. Zhukov. illus map Soviet Mil Rev No. 9:38-41 Sep '72

The Yelets operation. Col A. Galitsan. map Soviet Mil Rev No. 1:47-49 Jan '72

United States

EW history WW II. (Excerpts from Radio Counter-measures, National Defense Research Committee, Division 15 Summary Technical Report, vol 1, 1946) Elect Warfare pt 1, 4:20+ Summer '72; pt 2, 4:20-22+ Convention Issue '72

WORLD WAR II - ContinuedUnited States - Cont'd

Secretary Stimson and the European War, 1940-1941. F. Gunther Eyck. illus Parameters 2:40-51 Spring-Summer '72

WOUNDS AND INJURIES

Heal that burn (at Brooks Army Medical Center's Institute of Surgical Research, Fort Sam Houston, Tex). SP4 Chuck Noland. illus Soldiers 27:40-43 Feb '72

Injured until proven healthy. Maj Frederic M. Brown. illus Interceptor 14:18-19 Jan '72

WRIGHT, Jerauld

Former SACLAN'T's. por biog NATO's Fifteen Nations 17:24-26 Feb-Mar '72

WRIGHT, Orville

How we made the first flight. Orville Wright. (Reprinted from Flying, Dec 1918) por TAC Attack 12:4-9 Sep '72

WRITING (COMPOSITION)See also

Report Writing  
Technical Writing

Genesis to revelation. BrigGen S. L. A. Marshall, Ret. illus Mil Rev 52:17-24 Feb '72

Tell it as it is (with effective communication). Argus Tresidder. illus MarCor Gaz 56:32-35 Apr '72

Twenty guidelines for clear and forceful writing. LtCol Paul C. Hutton III. US Nav Inst Proc 98:98 Sep '72; Infantry 62:31 Sep-Oct '72

X-RAYS

Comparative study of two direct methods of bone mineral measurement. Paul C. Rambaut and others. illus tabs Aerosp Med 43:646-650 Jun '72

NDI (NonDestructive Inspection)-FOD--weapon in foreign object control. LtCol Arthur W. Day. illus Aerosp Safety 28:24-26 Aug '72

Roentgenography in the human factors investigation of fatal aviation accidents. Laurence R. Simson, Jr. illus Aerosp Med 43:81-85 Jan '72

(X-ray system for airport security and anti-hijack screening) Signal 27:50 Dec '72

YOUTHUnited States

Communicating with the young. Col William R. Edgar, Ret. illus AF Mag 55:52-55 Oct '72

Educating and training America's youth. (Address, Georgia Retired Officers Assoc Convention Banquet, Savannah, Oct 13, 1972) MajGen John R. Murphy. AF Plcy Ltr for Comdrs: Sup No. 12: 7-13 Dec '72

Patriotism: The self-evident truths. Ed Mason. illus US Nav Inst Proc 98:30-33 Feb '72

Student antimilitarism and its impact on national security. LtCol Fred K. Mahaffey. Forum No. 13:26-51 Fall '71

Use of short (summer) service to attract the young. Col Douglas W. Hardy. Army 22:51 Mar '72

Youth wants to "no!" Col Anthony L. Wermuth, Ret. illus US Nav Inst Proc 98:50-55 Jul '72

YUGOSLAVIA

Return to Lepanto--will post-Tito Yugoslavia be Russia's next target? Lawrence Griswold. illus map Sea Power 15:10-14 Oct '72

Economic Conditions

Yugoslavia: Yesterday, today and tomorrow. (Adapted from research report, Army War College, 1971) LtCol Redmond V. Forrester. illus map Parameters 1:50-60 Winter '72

Foreign Policy

Yugoslavia: Yesterday, today and tomorrow. (Adapted from research report, Army War College, 1971) LtCol Redmond V. Forrester. illus map Parameters 1:50-60 Winter '72

YUGOSLAVIA - ContinuedForeign RelationsRussia

The Adriatic: Soviet seaway someday? LT Eugene P. Sullivan. illus map US Nav Inst Proc 98:26-31 Aug '72

Politics and Government

Yugoslavia: Yesterday, today and tomorrow. (Adapted from research report, Army War College, 1971) LtCol Redmond V. Forrester. illus map Parameters 1:50-60 Winter '72

ZAMBIA

The military outlook: Southern Africa. Lewis H. Gann. illus map Mil Rev 52:59-72 Jul '72

ZUMWALT, Elmo R., Jr

American maritime power. (Adapted from address, Washington Attorneys' Luncheon, Jan 17, 1972) ADM E. R. Zumwalt, Jr. illus Mil Engr 64:75-77 Mar-Apr '72

Are Z-grams backfiring? Col R. D. Heinl, Jr. Armed Forces J 110:29 Dec '72

"...A guy who's never satisfied." Interview. ADM Elmo R. Zumwalt. por Armed Forces J 110:29-30 Oct '72

The man who gave the world the Z-gram tells about permissiveness in the Navy, why recomp looks dim and what's wrong with Defense budgets. Interview. ADM Elmo R. Zumwalt, Jr. por AF Times, Family Sup:18-19 Sep 6 '72

Naval Reserve's role in the total Force. ADM Elmo R. Zumwalt, Jr. por Officer 48:11+ Jul '72

The Navy tomorrow. ADM E. R. Zumwalt, Jr. illus Ordnance 56:285-287 Jan-Feb '72

Of justice, equal opportunity, and discipline. L. Edgar Prina. illus Sea Power 15:30-31 Dec '72

'The only forces which have utility.' (Extracts from CNO's Posture Statement to the Senate Armed Services Committee, Washington, 1972) ADM Elmo R. Zumwalt, Jr. Sea Power 15:14-17 Apr '72

Proxmire anti-Navy study termed 'biased,' 'tainted,' 'misleading' (by ADM Zumwalt). illus Sea Power 15:32-34 Jul-Aug '72

The view from the tank: Interviews with the Joint Chiefs. por Armed Forces J 109:36-44 Jan '72





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